

**COLOR VIDEO CAMERA
CAMERA ADAPTOR
1.5INCH ELECTRONIC VIEWFINDER
ZOOM LENS
TRIPOD ATTACHMENT
CAMERA CABLE**

**DXC-537
CA-537
DXF-501
VCL-916BY
VCT-14
CCZQ-A2**

**VOL.2 Revised-1
BLOCK DIAGRAMS
SEMICONDUCTORS
SCHEMATIC DIAGRAMS
BOARD ILLUSTRATIONS
SPARE PARTS**




**SONY[®]
SERVICE MANUAL**

X-RAY RADIATION WARNING

Be sure that parts replacement in the high voltage block and adjustments made to the high voltage circuits are carried out precisely in accordance with the procedures given in this manual.

SAFETY RELATED COMPONENT WARNING

Components identified by shading and  marked on the schematic diagrams and parts list are critical to safe operation. Replace these components with SONY parts whose part numbers appear as shown in this manual or in supplements published by SONY.

Warning—This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

Important—To insure that the complete system (including this peripheral) is capable of complying with the FCC requirements, it is recommended that the user make sure that the individual equipment of the complete system has a label with one of the following statements.

"This equipment has been tested with a Class A Computing Device and has been found to comply with Part 15 of FCC rules."

—or—

"This equipment complies with the requirements in Part 15 of FCC rules for a Class A Computing Device."

—or equivalent.

The shielded interface cable recommended in this manual must be used with this equipment in order to comply with the limits for a computing device pursuant to Subpart J of Part 15 of FCC Rules.

For the customers in Canada

This apparatus complies with the Class A limits for radio noise emissions set out in radio interference regulations.

Pour les utilisateurs au Canada

Cet appareil est conforme aux normes Class A, pour bruits radioélectriques. Tel que spécifier dans le règlement sur le brouillage radioélectrique.

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COLOR VIDEO CAMERA

DXC-537



SPECIFICATIONS

Camera Head (DXC-537/537P)

Image device	Interline-transfer CCD, 3-chip	Sync system	Internal
Picture elements	768 × 493 (h/v) (NTSC) 786 × 581 (h/v) (PAL)		External with the BS or VBS signal supplied to the GEN LOCK IN connector (when the CA-537/537P, CA-325A/325AP or CA-325B is used) or the reference signal input to the VTR/CCU/CMA connector from the GEN LOCK IN connector of the CCU-M3/M3P/M7/M7P (when the CA-537/537P is used)
Sensing area	8.8 mm × 6.6 mm (equivalent to a 2/3-inch pickup tube)	Horizontal resolution	700 lines (center)
Built-in filters	1: 3200K 2: 5600 K + 1/4 ND 3: 5600 K 4: 5600 K + 1/16 ND	Minimum illumination	13 lux with F1.8, +18 dB 7.5 lux with F1.4, +18 dB
Lens mount	Bayonet mount	Sensitivity	2000 lux with F8.0 (Typical) at 3200 K
Signal system	EIA standards, NTSC color system (for DXC-537) CCIR standards, PAL color system (for DXC-537P)	Gain selection	0 dB, 9 dB or 18 dB, selectable
Scanning system	525 lines, 2:1 interlace, 30 frames/sec. (NTSC) 625 lines, 2:1 interlace, 25 frames/sec. (PAL)		
Scanning frequency	Horizontal: 15.734 kHz (NTSC) 15.625 kHz (PAL) Vertical: 59.94 Hz (NTSC) 50.00 Hz (PAL)		

SONY

SERVICE MANUAL

Video output Composite signal:
 1.0 Vp-p, sync negative,
 75Ω unbalanced
 Y/C separate signal:
 Y: 1.0 Vp-p, sync negative,
 unbalanced
 C: burst level 0.286 Vp-p (NTSC)
 0.3 Vp-p (PAL)
 without sync

Signal to noise ratio
 62 dB (NTSC, Typical)
 60 dB (PAL, Typical)

Registration 0.05% for Zone I
 0.05% for Zone II
 0.05% for Zone III

Inputs/Outputs VIDEO OUT: BNC-type
 LENS: $\frac{2}{3}$ -inch lens connector (12-pin)
 VF: 8-pin
 REMOTE: 10-pin

Power requirements
 12 V DC

Power consumption
 9.5 W

Operating temperature
 -10°C to +45°C (14°F to 113°F)

Storage temperature
 -20°C to +60°C (-4°F to 140°F)

Weight 2.2 kg (4 lb 14 oz)

Dimensions See the illustrations below.
 Unit: mm (inches)

Carrying Case (LC-421)

Weight About 7.7 kg (15 lb 7 oz)
Dimensions About 790 × 440 × 340 mm (w/h/d)
 (31- $\frac{1}{8}$ × 17- $\frac{3}{8}$ × 13- $\frac{1}{2}$ inches)

Accessories Supplied

CCZQ-A2 camera cable (with Z-type 26-14-pin connectors)
 (supplied with the DXC-537K/537PK/537L/537PL only)
 (1)
 VCL-916BY zoom lens (supplied with the DXC-537K/537PK
 only) (1)
 DXF-501/501CE electronic viewfinder (supplied with the
 DXC-537K/537PK/537L/537PL only) (1)
 LC-421 carrying case (supplied with the DXC-537K/537PK/
 537L/537PL only) (1)
 VCT-14 tripod attachment (supplied with the DXC-537K/
 537PK/537L/537PL only) (1)
 Lens cap (1)
 Chart for flange focal length adjustment (1)

Design and specifications are subject to change without
 notice.

Dimensions

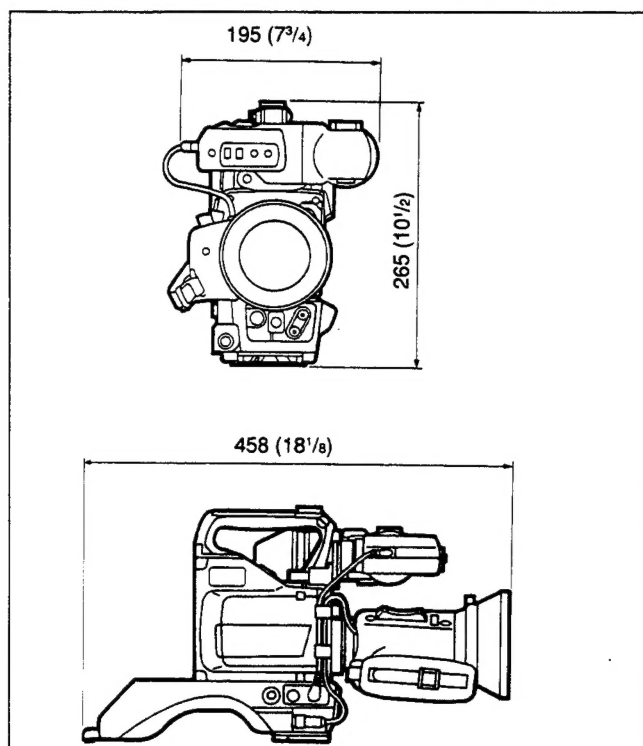


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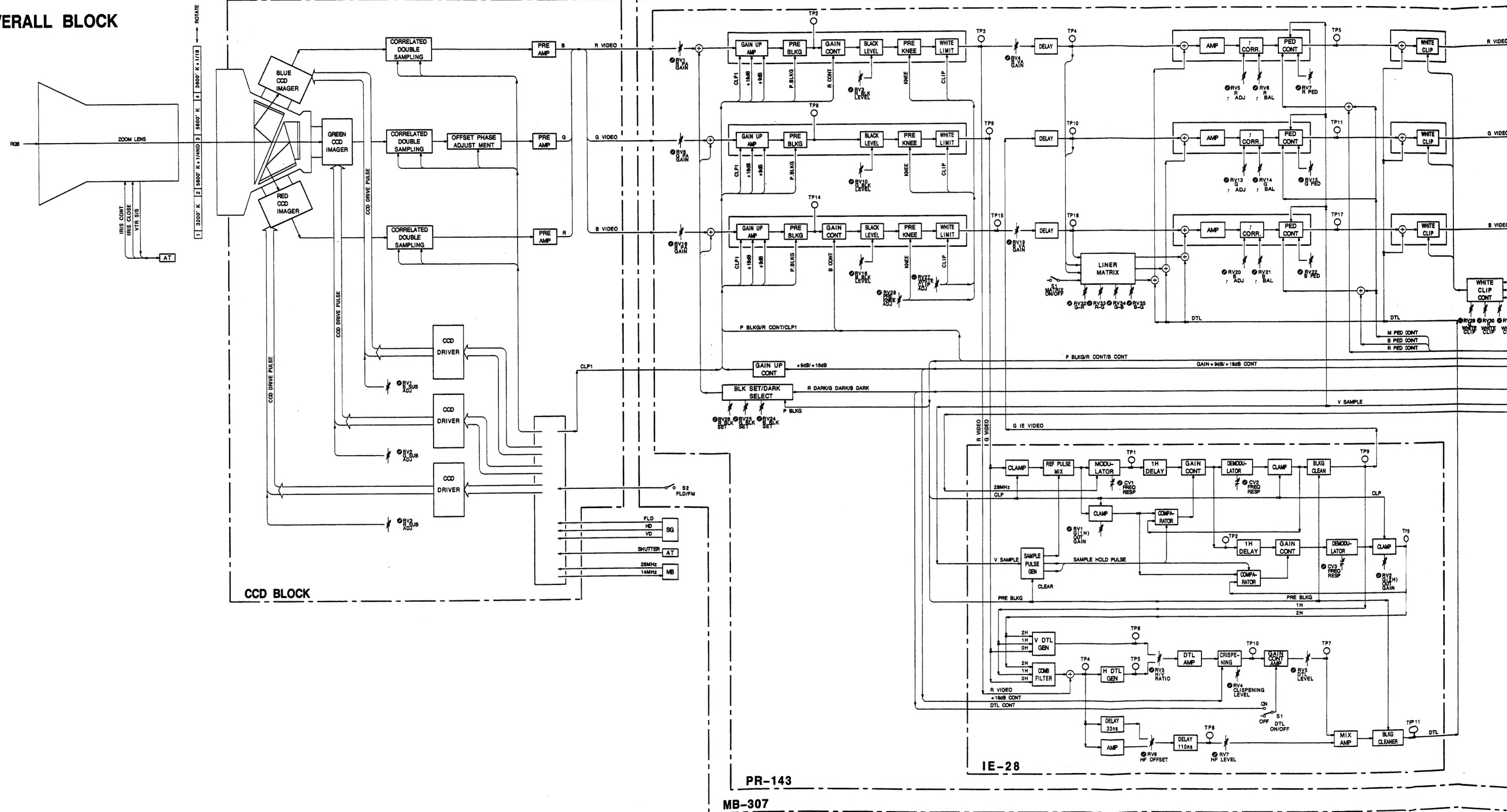
E-1

OVERALL BLOCK

OVERALL BLOCK

SECTION A BLOCK DIAGRAMS

OVERALL BLOCK



DXC-537 (J,UC)
DXC-537P(EK)

A-1

A-2

A

B

C

D

E

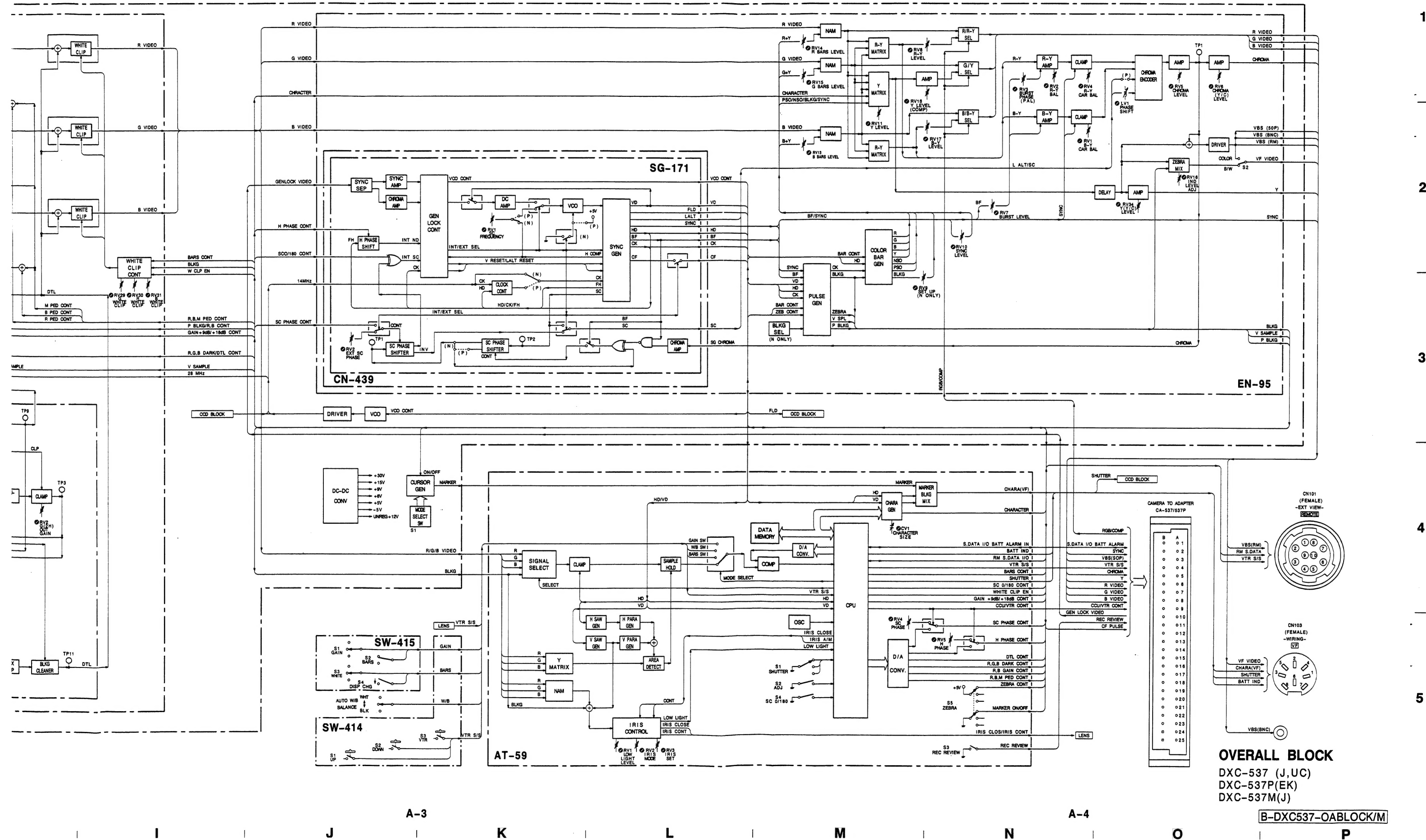
F

G

H

OVERALL BLOCK

BLOCK OVERALL

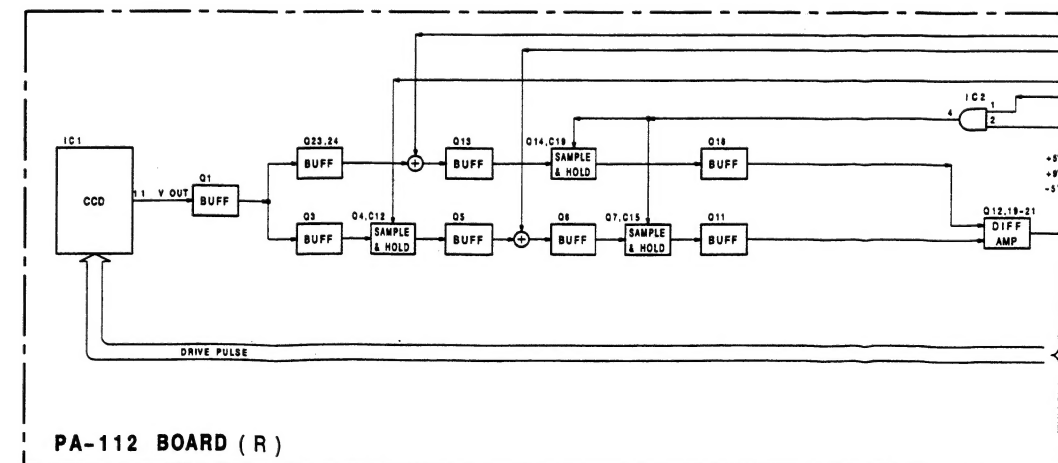
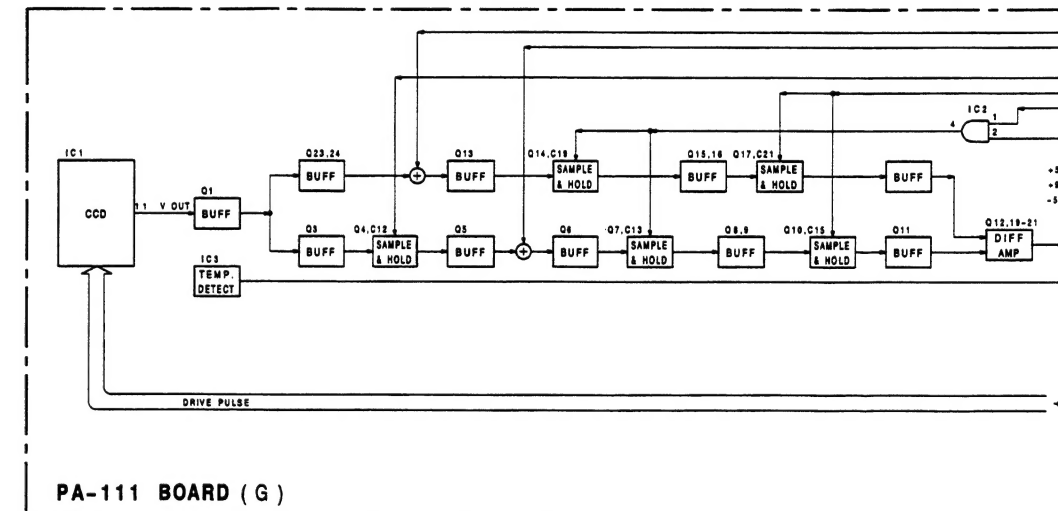
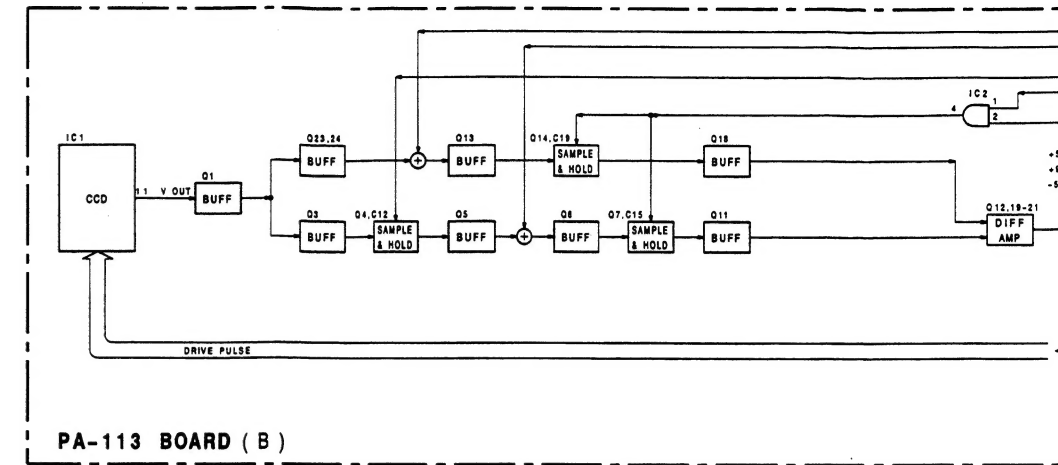


CCD BLOCK



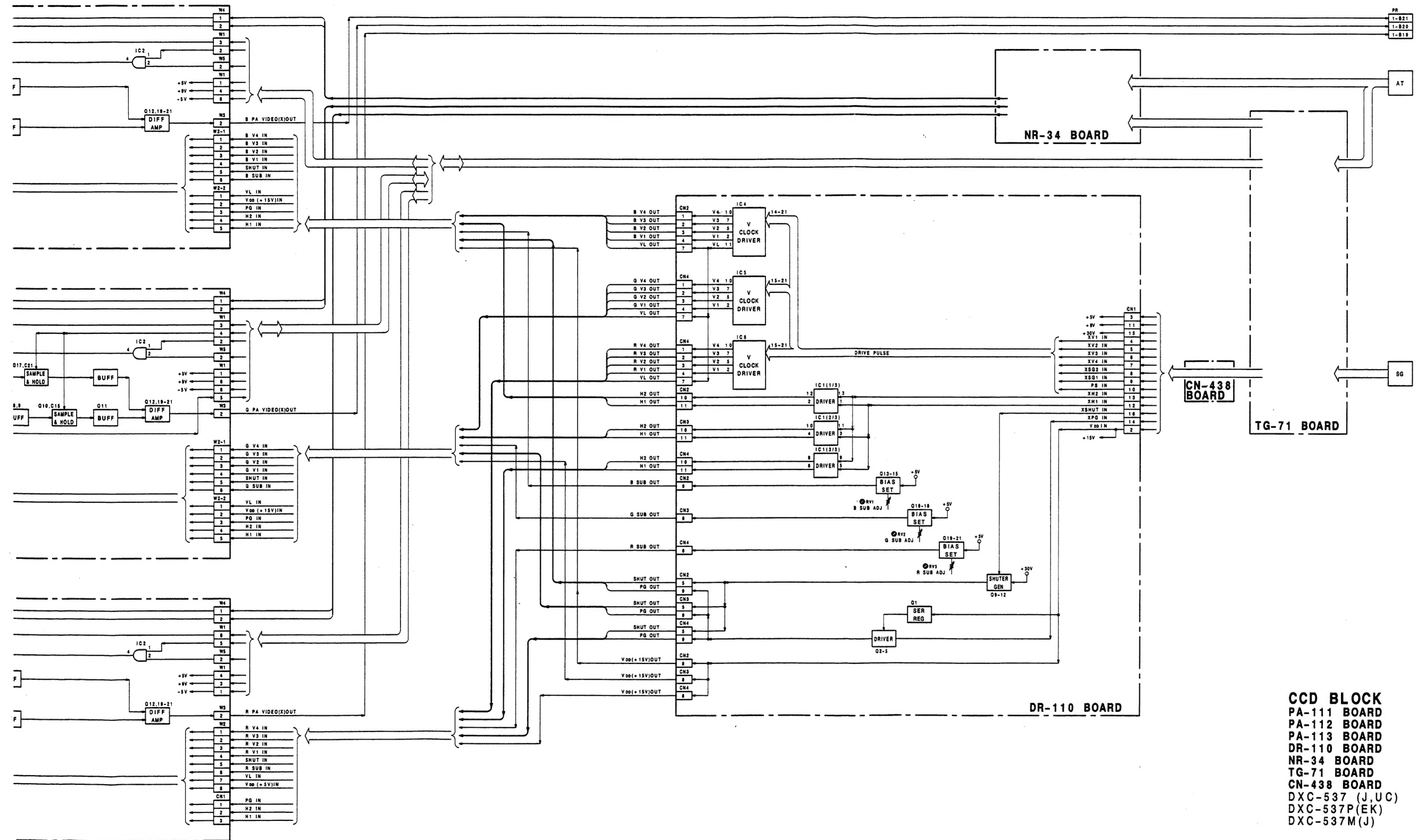
CCD BLOCK

CCD BLOCK



CCD BLOCK

CCD BLOCK



A-7

A-8

DXC-537 (J,U,C)
DXC-537P (EK)

H

I

J

K

L

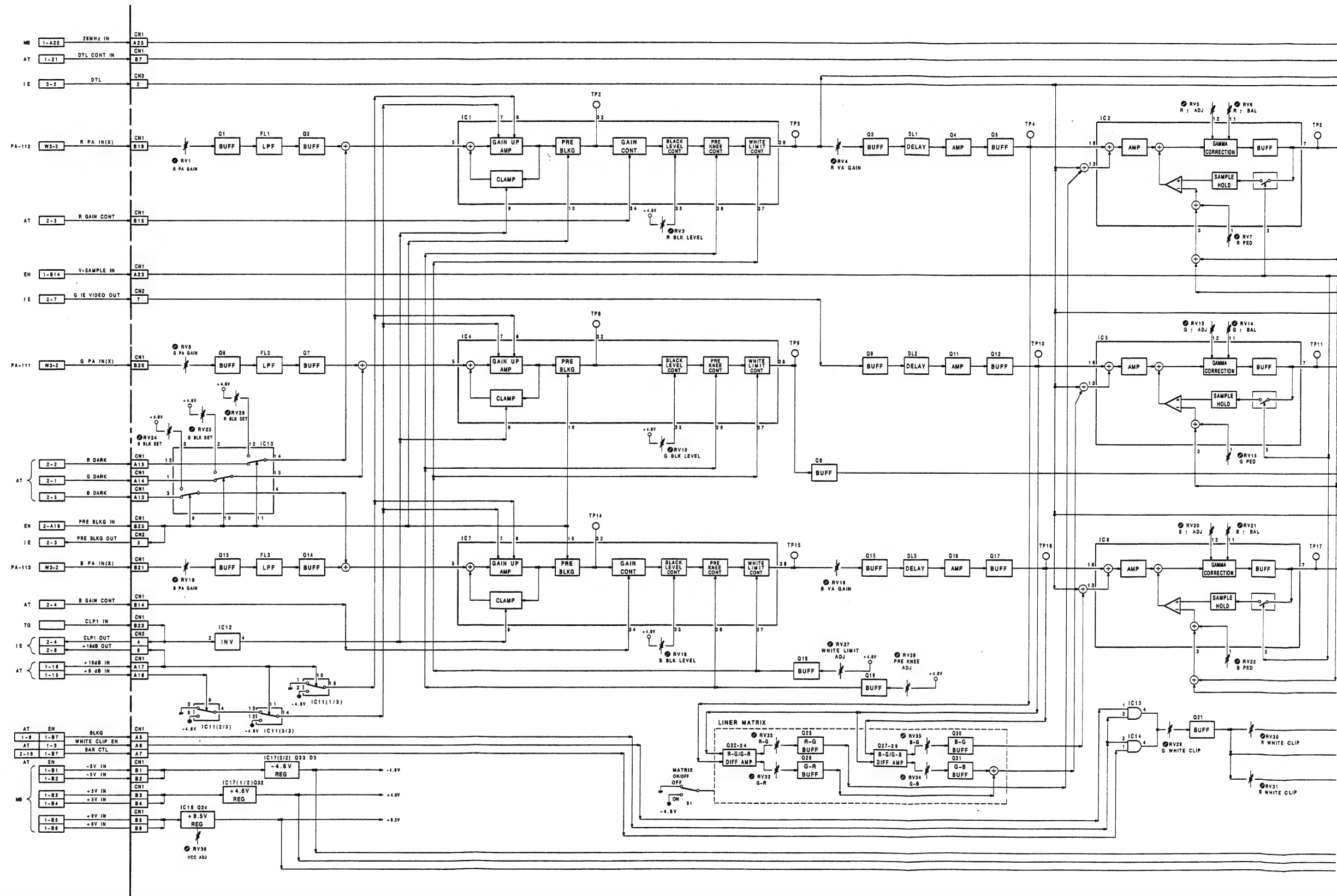
M

N

O

P

PR-143 BLOCK



DXC-537 (J,U,C)
DXC-537P(EK)

A-9

A-10

A

B

C

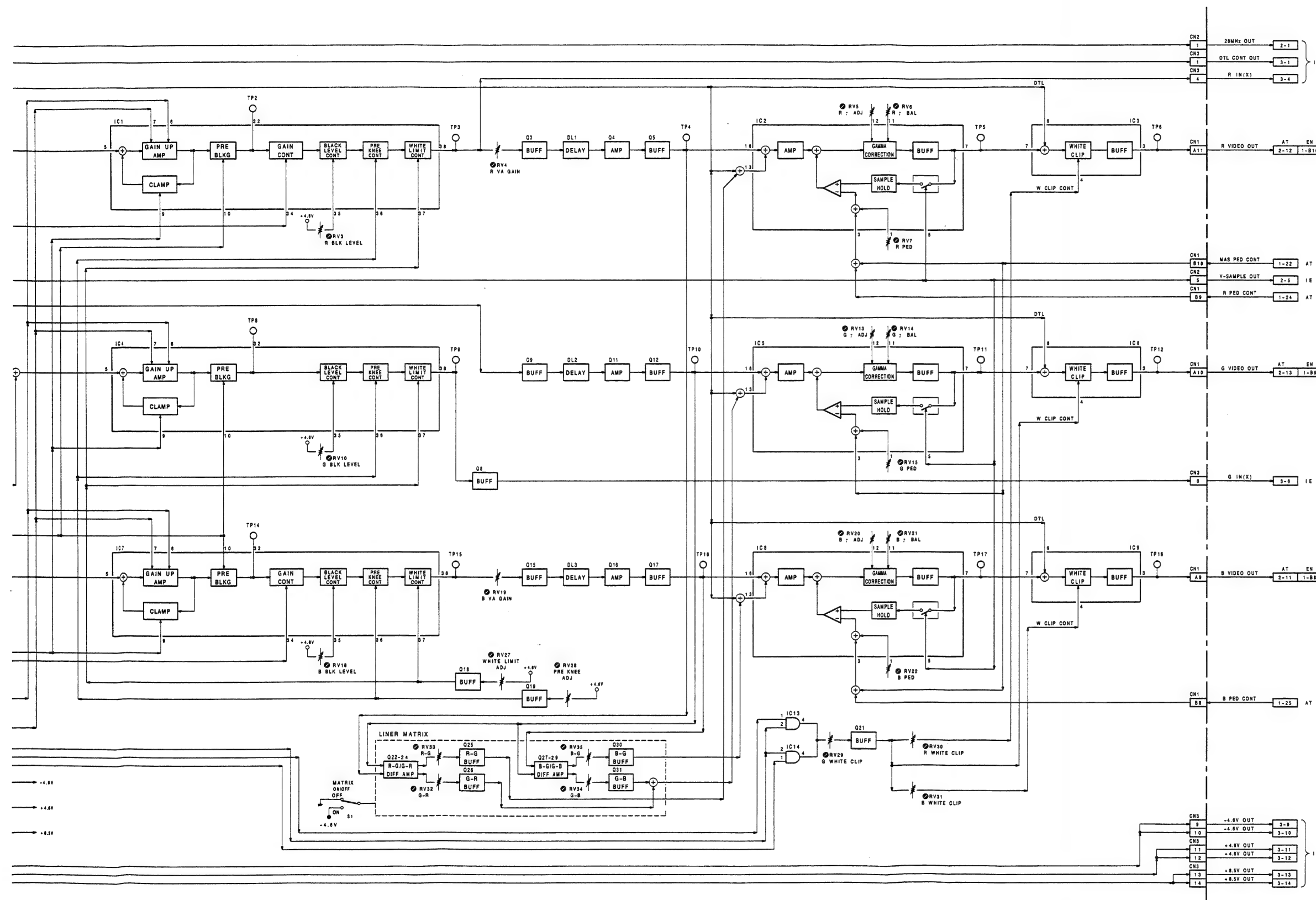
D

E

F

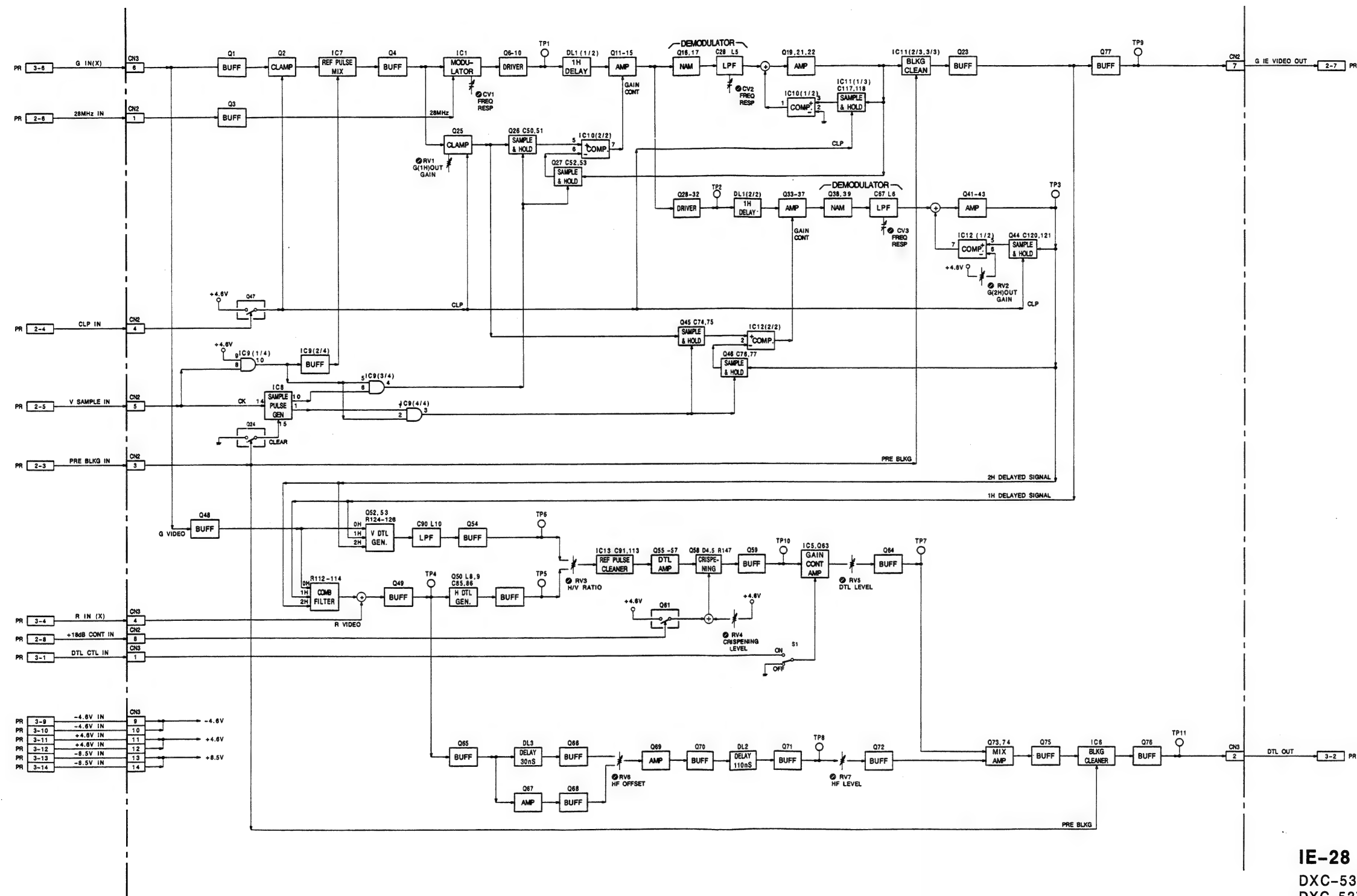
G

H



PR-143 BLOCK
DXC-537 (J,U C)
DXC-537P (EK)
DXC-537M(J)

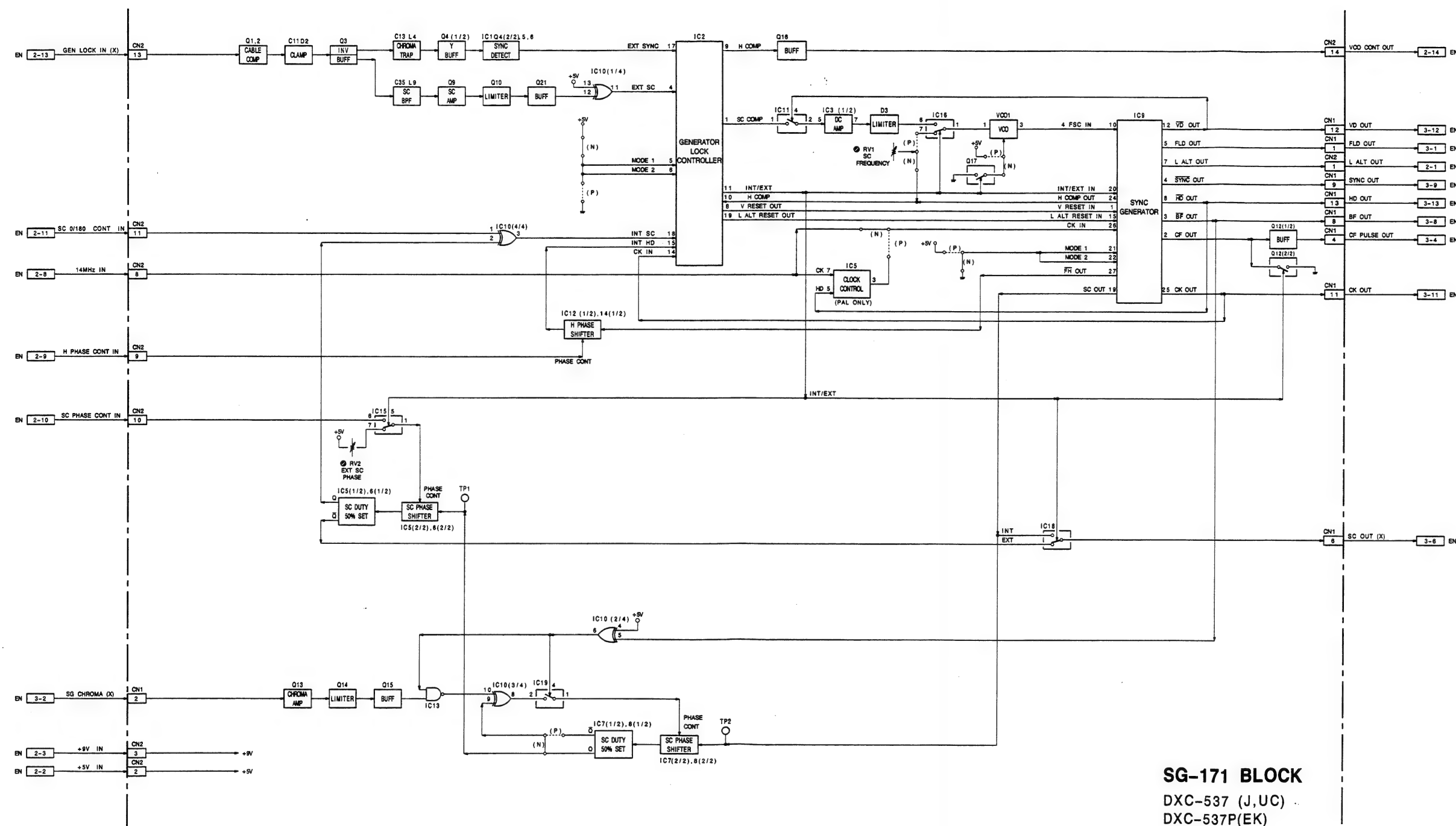
IE-28 BLOCK



IE-28 BLOCK

DXC-537 (J,UC)
 DXC-537P(EK)
 DXC-537M(J)

SG-171 BLOCK



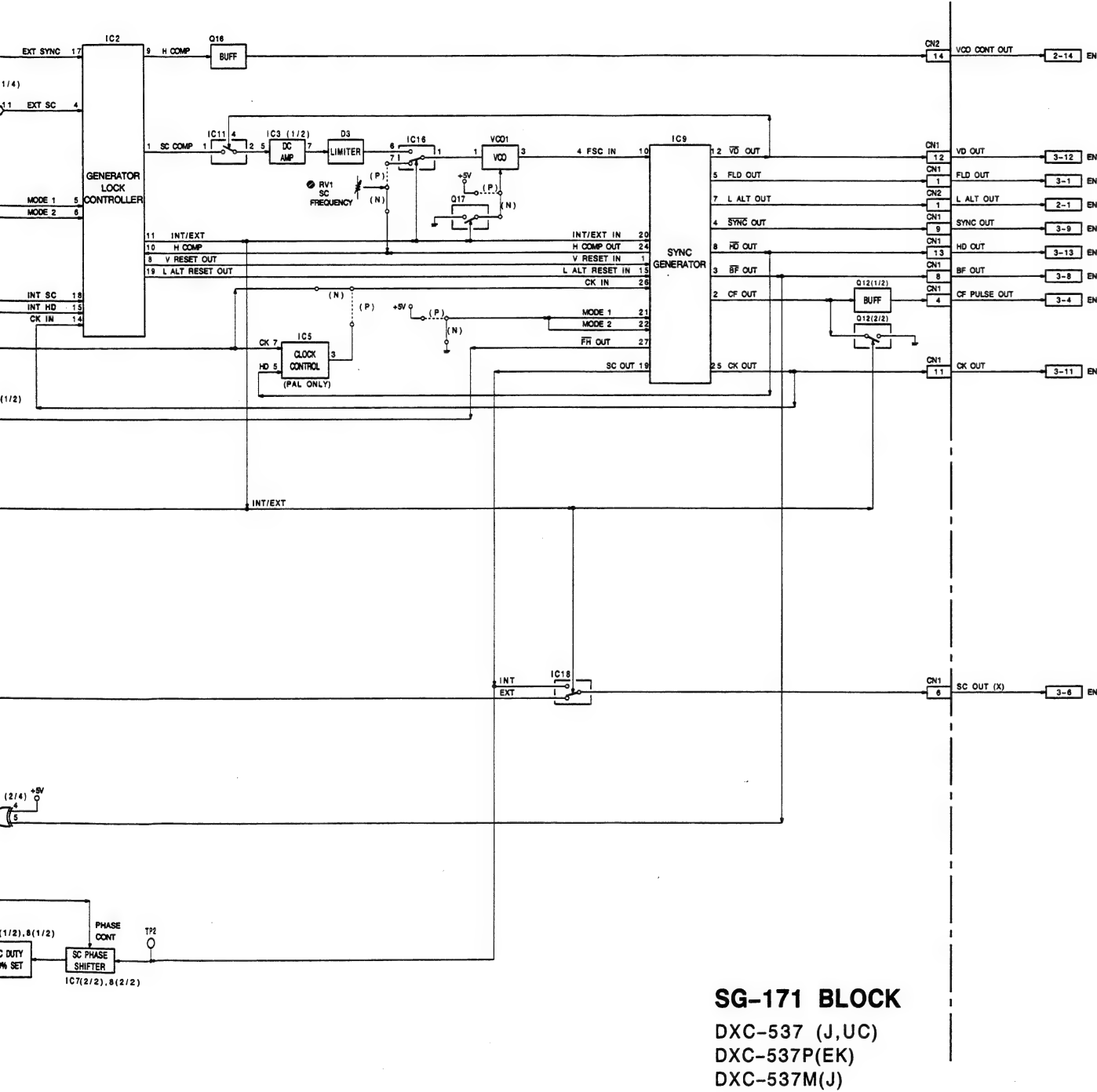
SG-171 BLOCK
DXC-537 (J,UC)
DXC-537P(EK)
DXC-537M(J)

DXC-537 (J,UC)
DXC-537P(EK)

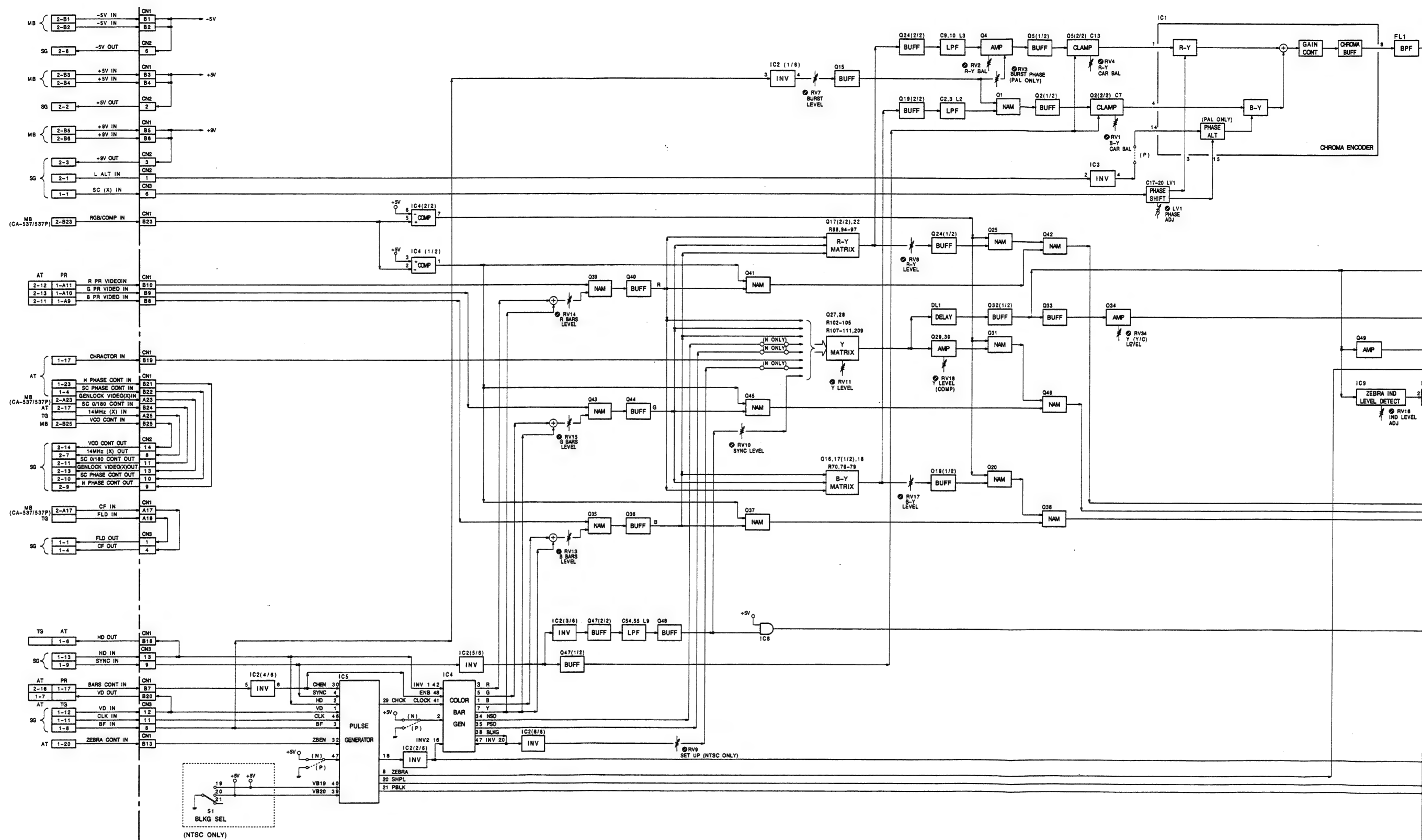
A-15

A-16

B-DXC537-SG171BLOCK/M

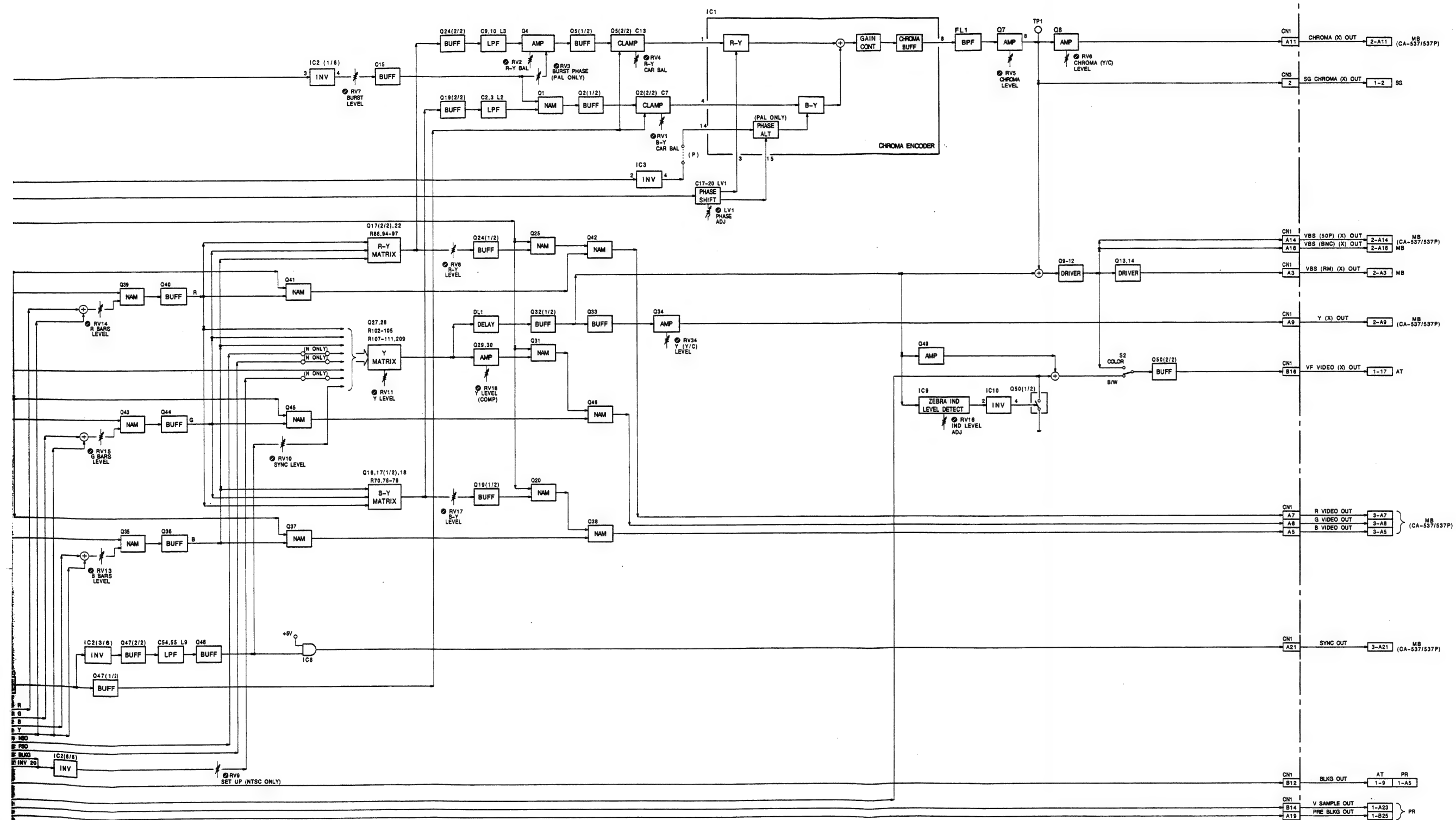


EN-95 BLOCK



EN-95 BLOCK

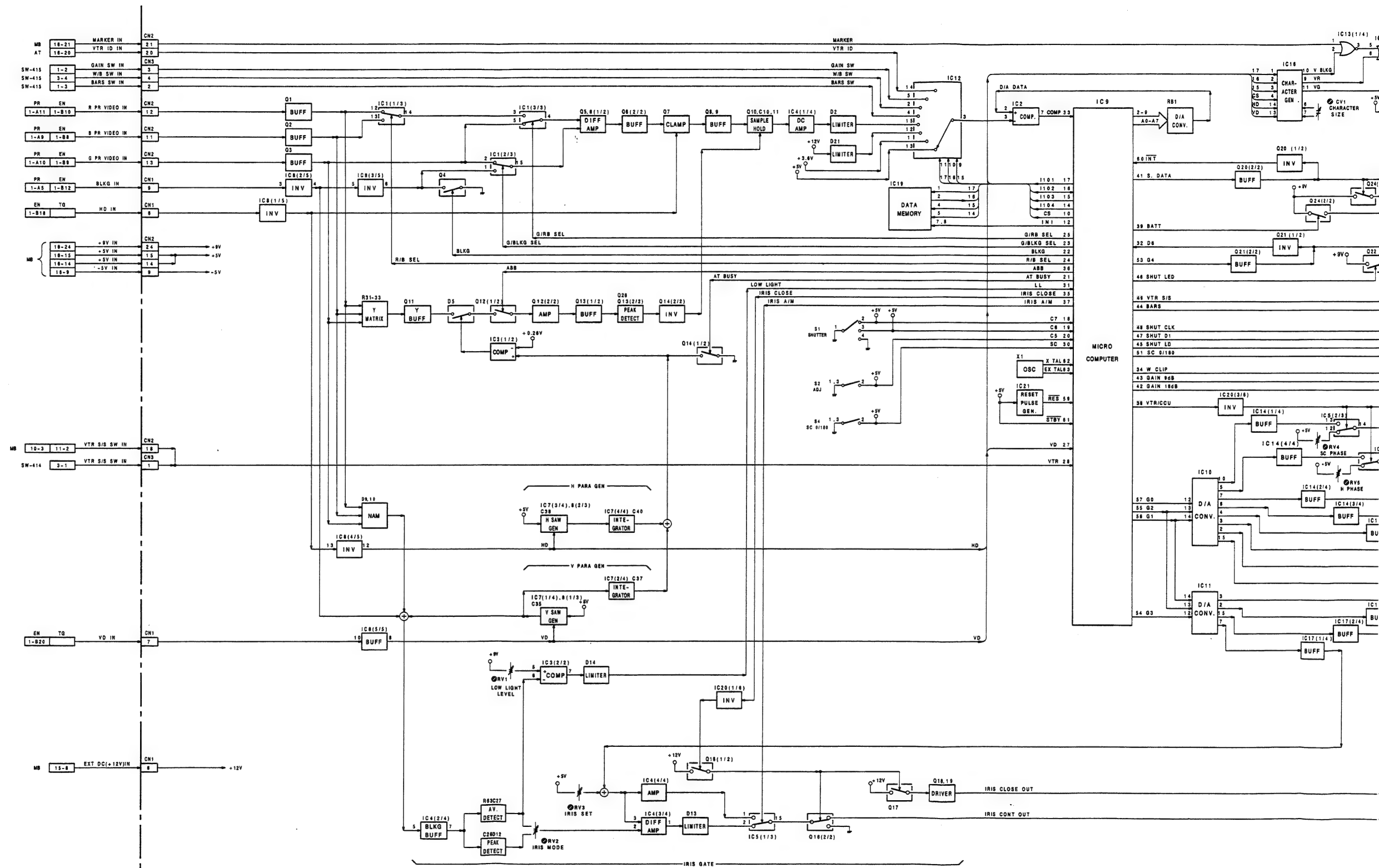
EN-95 BLOCK



EN-95 BLOCK

DXC-537 (J, U, C)
DXC-537P (E, K)
DXC-537M (J)DXC-537 (J, U, C)
DXC-537P (E, K)

AT-59 BLOCK



DXC-537 (J,U,C)
DXC-537P(EK)

A-21

A-22

A

B

C

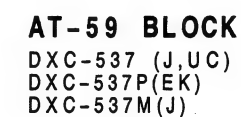
D

E

F

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H



SECTION B

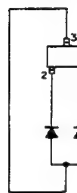
SEMICONDUCTOR

The circuit diagram of IC is obtained from the IC data book published by the manufacturer.

TYPE	PAGE	TYPE	PAGE
1S2835	B-2	M5236ML	B-9
1S2836	B-2	M6M80011L	B-9
1S2837	B-2	MA152WK	B-2
1SS123	B-2	MB7116H	B-9
1SS226	B-2	MB88342PF	B-9
1SS303	B-2	MC14001BF	B-9
1SS97	B-2	MC14051BF	B-9
		MC14053BF	B-10
2SA1162	B-2	MC14069UBF	B-10
2SA1213	B-2	MC74HC86F	B-10
2SA1226	B-2		
2SA1462	B-2	NJM319M	B-10
2SA1610	B-2		
2SA1611	B-2	RC1496M	B-10
		RD ? ? M	B-2
2SB1123	B-2		
2SB1295	B-2	SC7S04F	B-10
2SB798	B-2	SC7S32F	B-10
2SB799	B-2		
2SB815	B-2	SN74HC00NS	B-10
		SN74HC04NS	B-3
2SC1009A	B-2	SN74HC86NS	B-10
2SC1623	B-2	SN74LS123NS	B-11
2SC2757	B-2		
2SC2873	B-2	TC4017BF	B-11
2SC4177	B-2	TC4081BF	B-11
		TC4S66F	B-11
2SD1048	B-2	TC4SU69F	B-11
2SD1623	B-2	TC4W53F	B-11
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2SK94	B-2	TC74HC123AF	B-12
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74AC04SJ	B-3	TC7S00F	B-12
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CXD1361M	B-7	TL082CPS	B-12
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HSM88AS	B-2	uPC358G2	B-12
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		XN6401	B-2
		XN6435	B-2
		XN6501	B-2
		XN6534	B-2

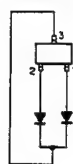
DIODE, TRANSISTOR

(SCALE 4/1)
TOP VIEW



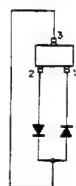
1S2835
1S2836
1S3303

(SCALE 4/1)
TOP VIEW

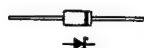


1S2837
MA152WK

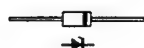
(SCALE 4/1)
TOP VIEW



1SS123
1SS226
HSM88AS



1SS97



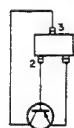
HZ ? CLL

(SCALE 4/1)
TOP VIEW



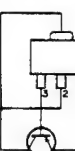
RD ? ? M

(SCALE 4/1)
TOP VIEW



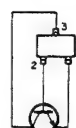
2SA1162
2SA1226
2SA1462
2SA1610
2SA1611
2SB1295
2SB815

(SCALE 4/1)
TOP VIEW



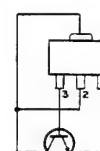
2SA1213
2SB1123
2SB798
2SB799

(SCALE 4/1)
TOP VIEW



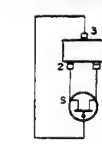
2SC1009A
2SC1623
2SC2757
2SC4177
2SD1048

TOP VIEW (SCALE 4/1)



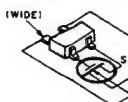
2SC2873
2SD1623
2SD999

TOP VIEW (SCALE 4/1)



2SK94

(SCALE 3/1)
TOP VIEW

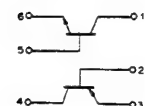


3SK163

(SCALE 6/1)
TOP VIEW



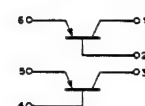
XN4601



(SCALE 6/1)
TOP VIEW



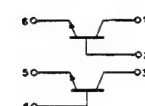
XN6401
XN6435

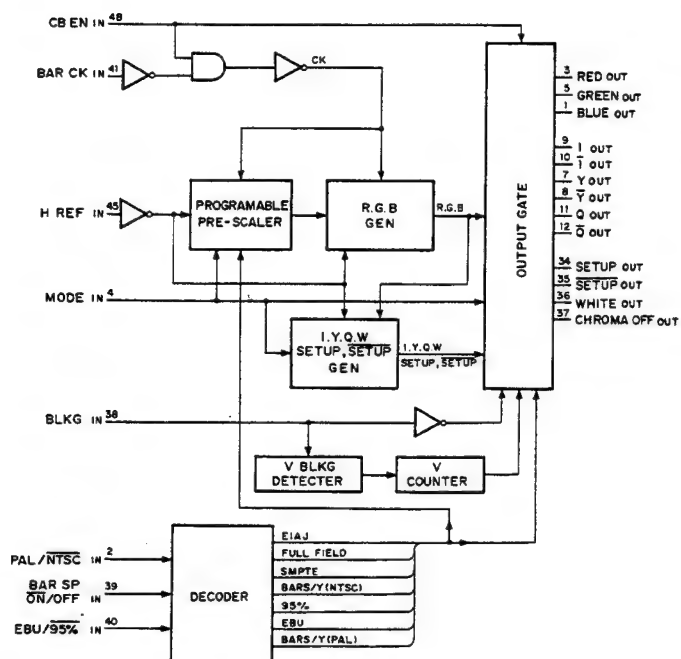


(SCALE 6/1)
TOP VIEW

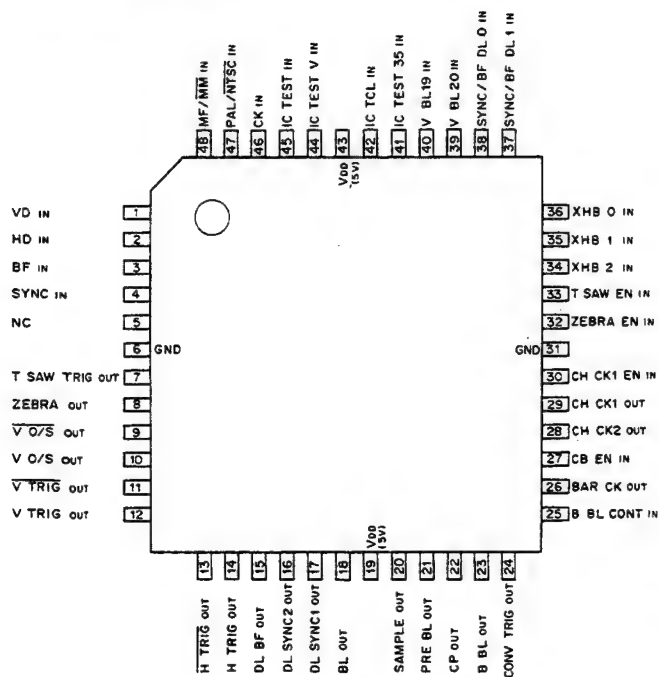


XN6501
XN6534





CX7969 (SONY)
C-MOS PULSE GENERATOR
- TOP VIEW -



1. SYSTEM DESIGNATION

INPUT	SYSTEM
PAL/NTSC IN	
1	PAL, SECAM
0	NTSC, PALM

2. TYPE OF TUBE

INPUT	FUNCTION
MF/MM IN	
1	MAG-STA TUBE
0	MAG-MAG TUBE

3. V BLKG WIDTH (NTSC ONLY)

INPUT	V BLKG WIDTH
V BL 19/V BL 20	
1 X	19H
0 1	20H
0 0	21H

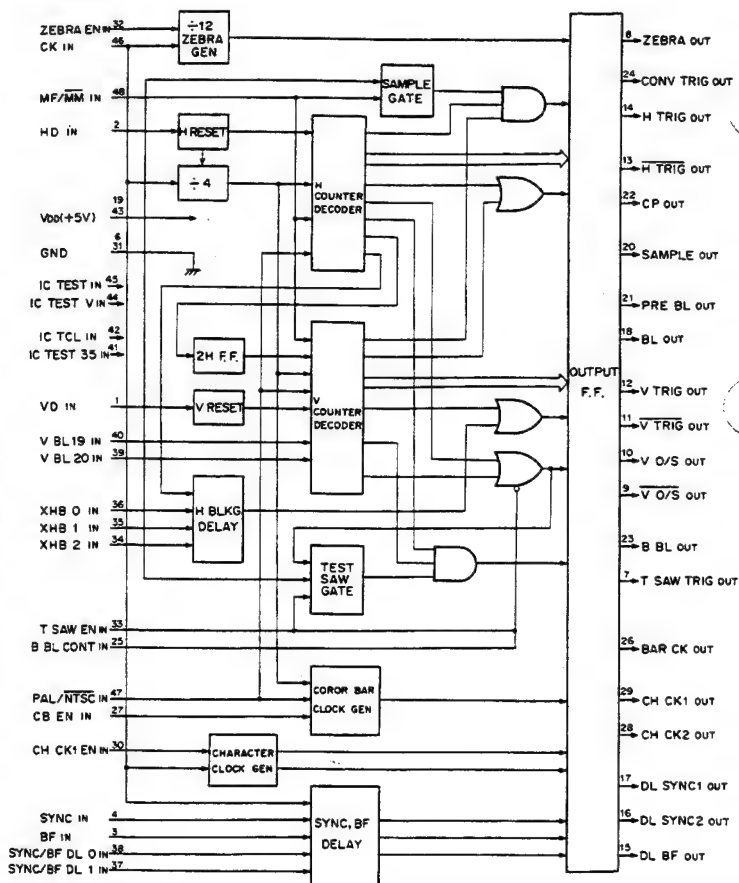
4. H BLKG WIDTH

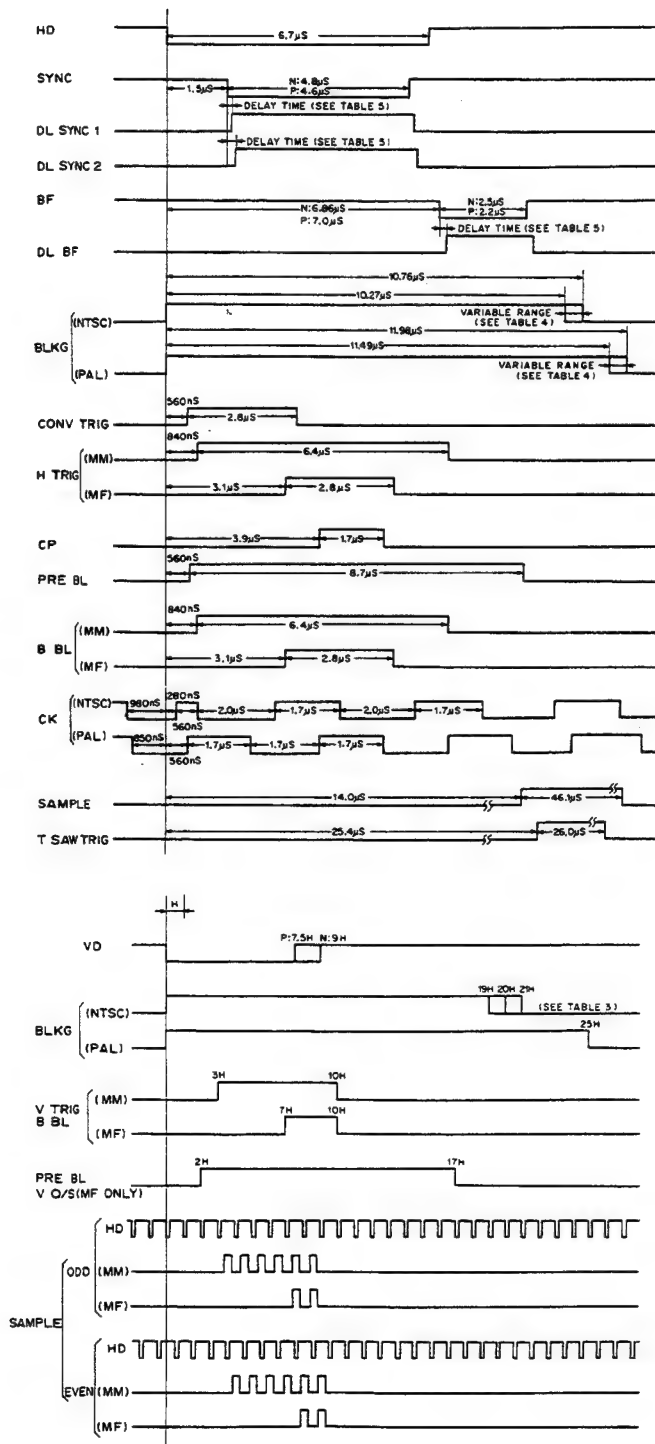
INPUT	BLKG WIDTH (μS)
XHB2/XHB1/DHBC	
NTSC	
PAL	
1 1 1	10.27
1 1 0	10.34
1 0 1	10.41
1 0 0	10.48
0 1 1	10.55
0 1 0	10.62
0 0 1	10.69
0 0 0	10.76

5. DELAY TIME

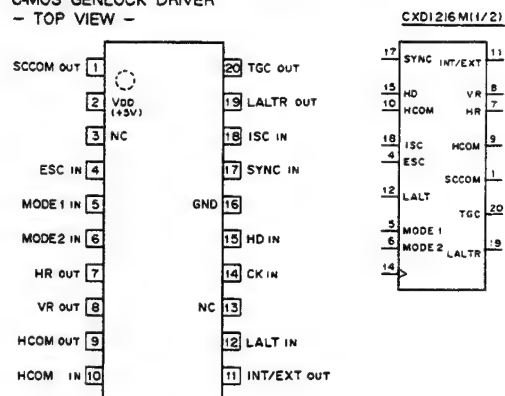
INPUT	DELAY TIME (ns)
SYNC/BF DL SYNC/BF DL2	
DL SYNC 1	
DL SYNC 2	
DL BF	
1 1	140
1 0	210
0 1	630
0 0	700

1; HIGH LEVEL
0; LOW LEVEL
X; DON'T CARE



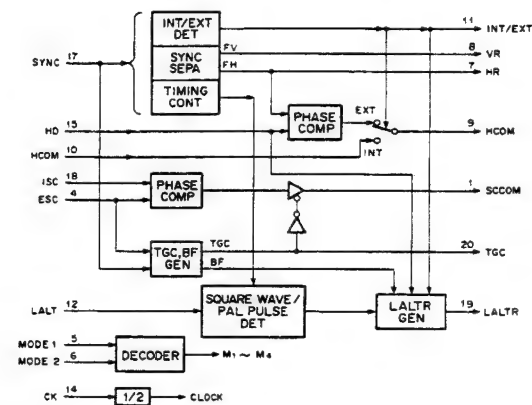


CXD1216M (SONY) FLAT PACKAGE
C-MOS GENLOCK DRIVER
- TOP VIEW -



INPUT	MODE1	MODE2	MODE	SYSTEM
0	0	0	M1	PAL-VBS
1	0	0	M2	PALM-VBS
0	1	0	M3	PALSECAM-VS/SC/LALT
1	1	1	M4	NTSC-VBS, NTSC-VS/SC, PALM-VS/SC/LALT

0 : LOW LEVEL
1 : HIGH LEVEL



INPUT

- CK : 4fsc CLOCK INPUT
- ESC : SC/COLOR BURST
- HCOM : PHASE COMPARE FROM CXD1217
- HD : H DRIVE FROM CXD1217
- ISC : SUBCARRIER FROM CXD1217
- LALT : LALT FROM REFERENCE SIGNAL GENERATOR
- MODE1,2 : SYSTEM SELECT
- SYNC : SYNC FROM REFERENCE SIGNAL GENERATOR

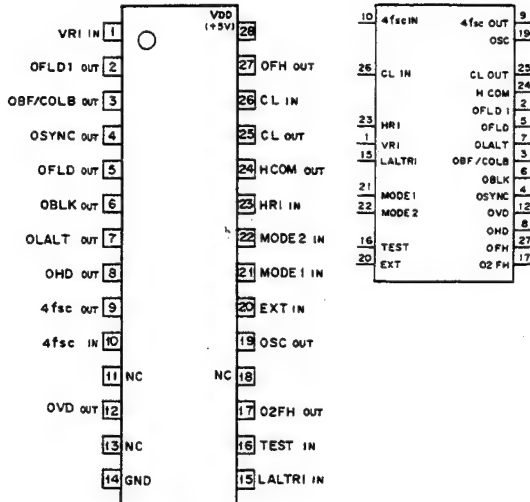
OUTPUT

- HCOM : PHASE COMPARE HR WITH HD
- HR : H OF SYNC SEPARATE
- INT/EXT : INTERNAL/EXTERNAL SPECIFIED
- LALTR : LINE CHANGE RESET
- SCCOM : PHASE COMPARE ESC WITH ISC
- TGC : TRISTATE CONTROL
- VR : V OF SYNC SEPARATE

CXD1217M (SONY) FLAT PACKAGE

CMOS SYNC GENERATOR

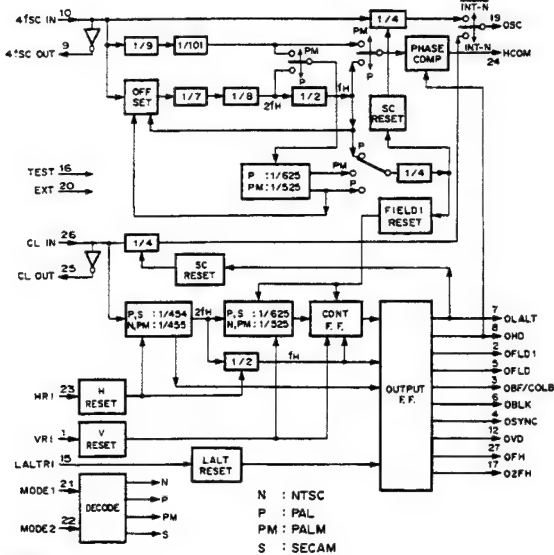
- TOP VIEW -



SYSTEM	4fsc	CLOCK
NTSC	910f _H	910f _H
PAL	1135f _H +2f _H	908f _H
PALM	909f _H	910f _H
SECAM	—	908f _H

INPUT	MODE1	MODE2	SYSTEM
0	0	0	NTSC
0	1	0	SECAM
1	0	1	PALM
1	1	1	PAL

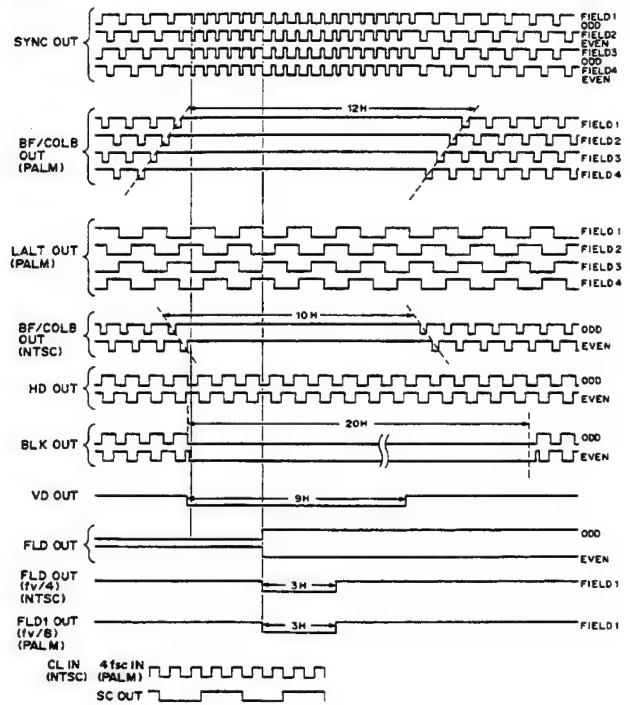
0 : LOW LEVEL
1 : HIGH LEVEL



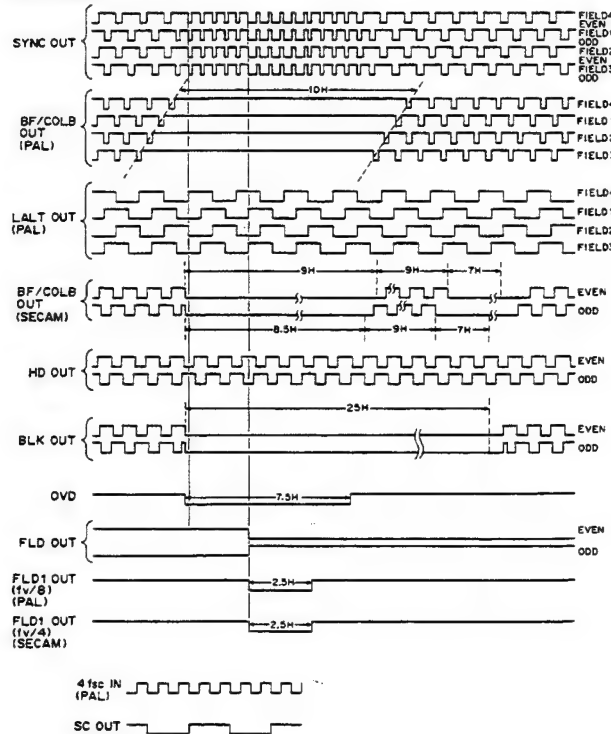
INPUT
4fsc IN : 4fsc INPUT
CL IN : CLOCK INPUT
EXT : SYNC MODE SELECT (L : INTERNAL/H : EXTERNAL)
HRI : H RESET
LALTRI : LINE CHANGE RESET
MODE1,2 : SYSTEM SELECT
VRI : V RESET

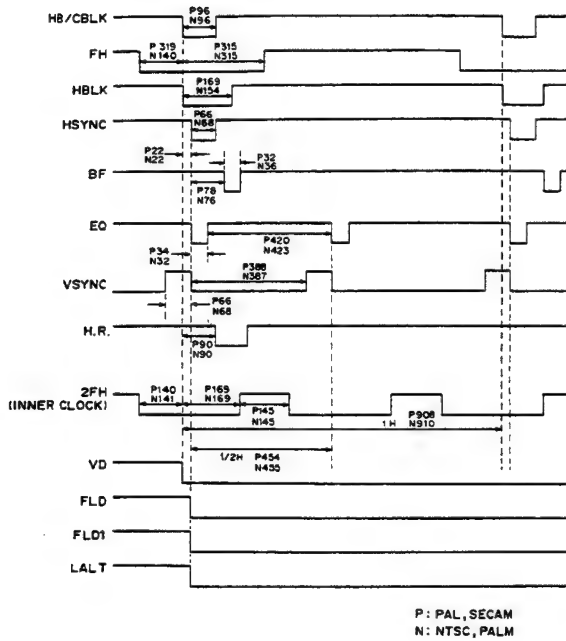
OUTPUT
4fsc OUT : 4fsc OUTPUT
CL OUT : CLOCK OUTPUT
HCOM : PHASE COMPARATOR
O2FH : 2FH OUTPUT
OBF/COLB : BURST FLAG/COLOR BLANKING
OBLK : COMPOSITE BLANKING
OFLD : H FREQUENCY
OFLD : EVEN, ODD
OFLD1 : FIELD1
OHD : H DRIVE
OLALT : LINE CHANGE
OSC : SUBCARRIER
OSYNC : COMPOSITE SYNC
OVD : V DRIVE

(INTSC, PALM)

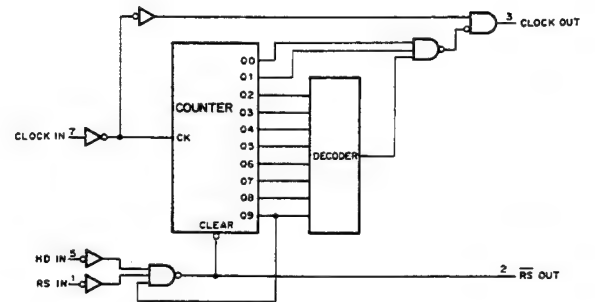
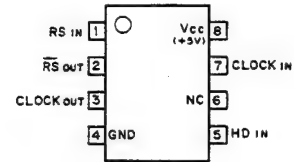


(PAL, SECAM)

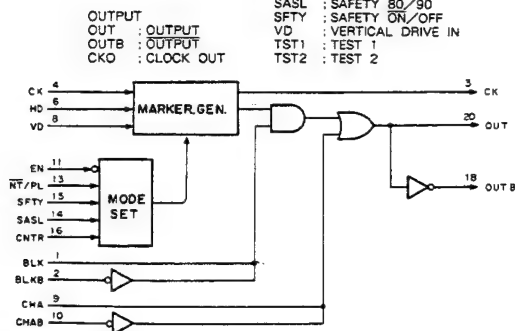
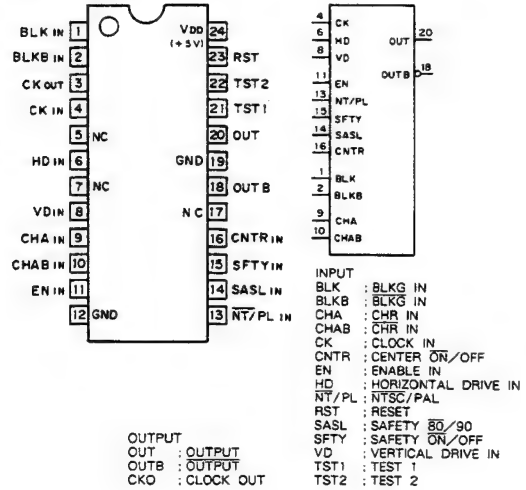




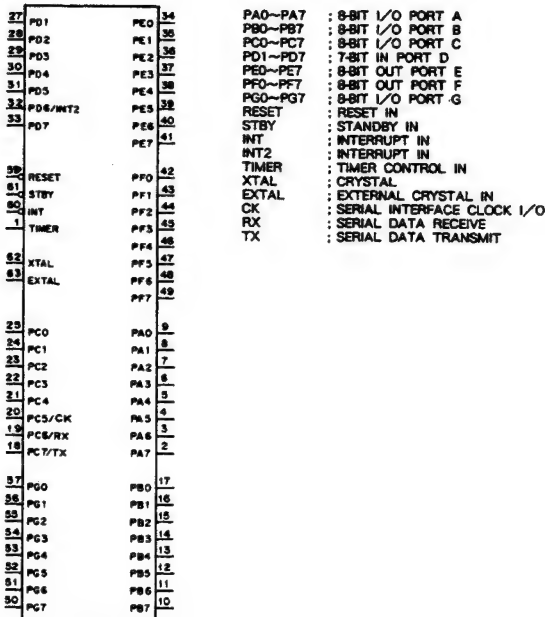
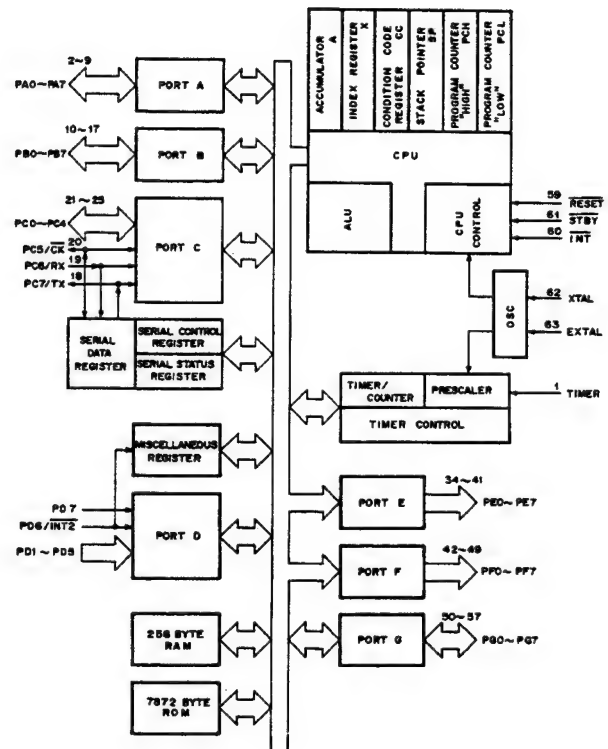
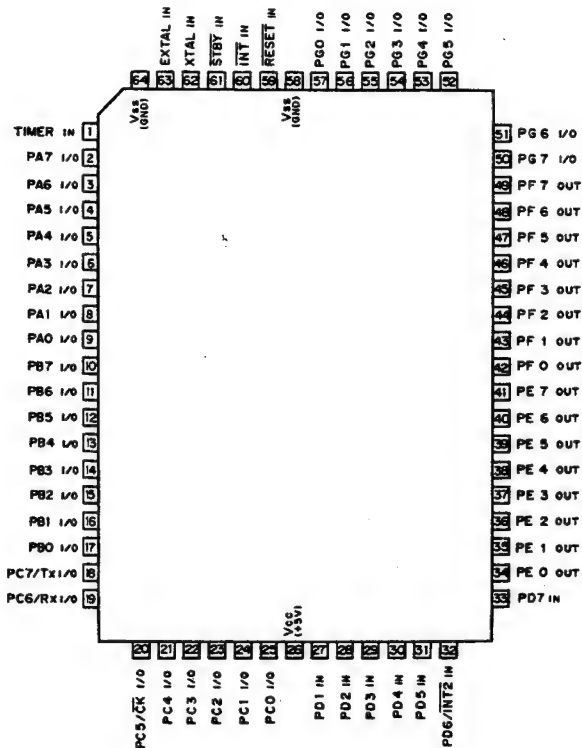
CXD1361M (TI) FLAT PACKAGE
CLOCK CONTROLLER
- TOP VIEW -



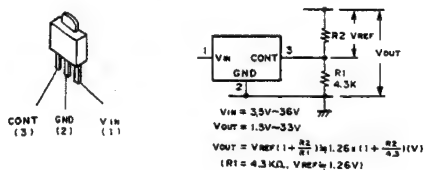
CXD8154M (SONY)
CMOS GATE ARRAY
- TOP VIEW -



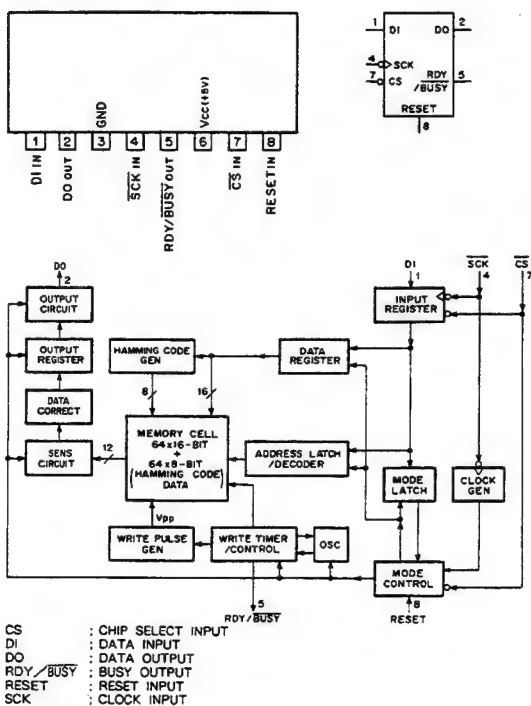
HD6305Y0E27F (HITACHI)

C-MOS 8-BIT MICROPROCESSOR UNIT
- TOP VIEW -

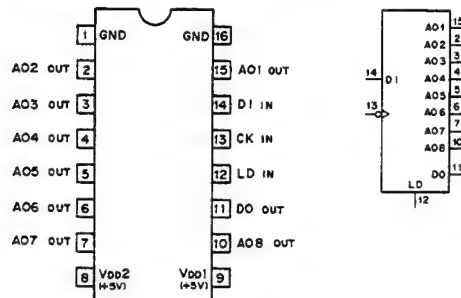
M5236ML (MITSUBISHI)
ADJUSTABLE VOLTAGE REGULATOR



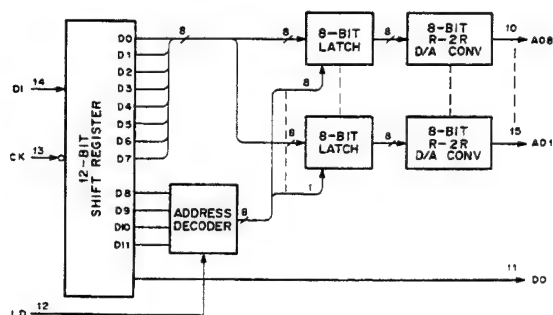
M6M80011L (MITSUBISHI)
1k (64x16)-BIT ERASABLE PROM
- SIDE VIEW -



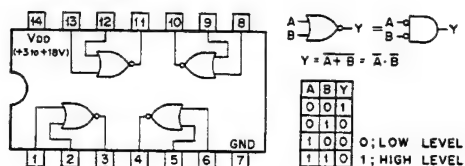
MB88342PF (FUJITSU) FLAT PACKAGE
CMOS 8-BIT D/A CONVERTER
- TOP VIEW -



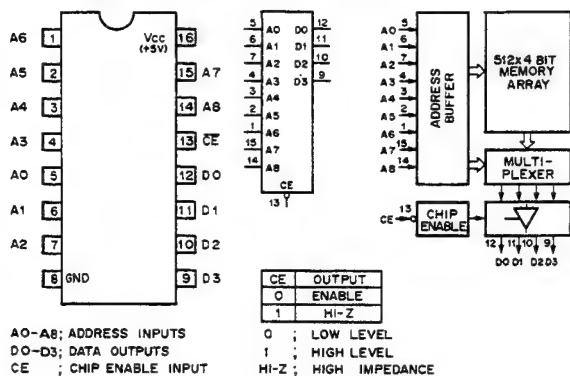
AO1 - AO8 : 8-BIT D/A OUTPUTS
CK : CLOCK INPUT
D1 : SERIAL DATA INPUT
DO : DATA OUTPUT
LD : DATA LOAD CONTROL INPUT (H : LOAD)



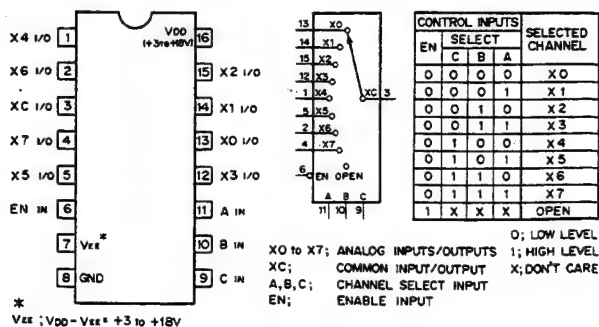
MC14001BF (MOTOROLA) FLAT PACKAGE
CMOS 2-INPUT NOR GATE
- TOP VIEW -



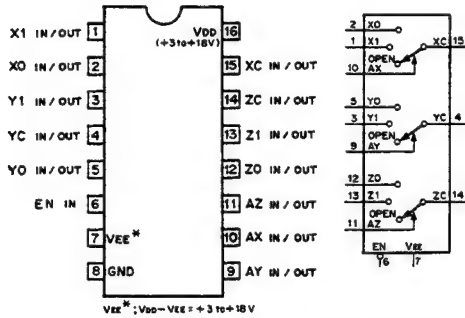
MB7116H (FUJITSU)
2K (512x4)-BIT PROM WITH 3-STATE OUTPUTS
- TOP VIEW -



MC14051BF (MOTOROLA) FLAT PACKAGE
CMOS 8-CHANNEL ANALOG MULTIPLEXER/DEMULPLEXER
- TOP VIEW -



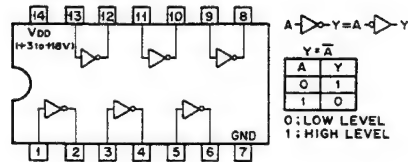
MC14053BF (MOTOROLA) FLAT PACKAGE

CMOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER
- TOP VIEW -

CONT. INPUTS	ON
EN A (X,Y,Z)	CHANNEL
0	0
0	1
1	X

0: LOW LEVEL
 1: HIGH LEVEL
 X: DON'T CARE.

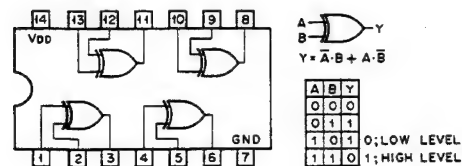
MC14069UBF (MOTOROLA)

CMOS INVERTER
- TOP VIEW -

$$A \rightarrow Y = \bar{A}$$

A	Y
0	1
1	0

0: LOW LEVEL
 1: HIGH LEVEL

MC74HC86F (MOTOROLA) FLAT PACKAGE
SN74HC86NS (TI) FLAT PACKAGECMOS EXCLUSIVE OR GATE
- TOP VIEW -

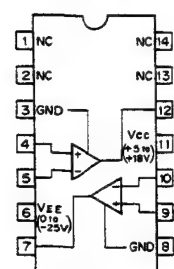
$$Y = A \oplus B = \bar{A}B + A\bar{B}$$

A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0

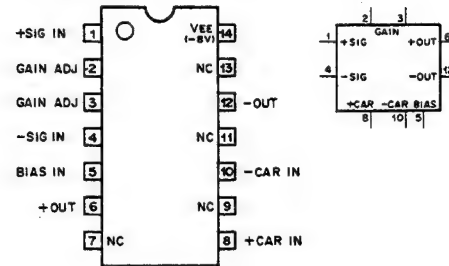
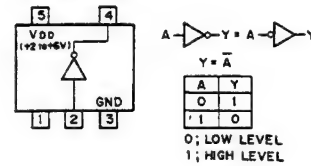
0: LOW LEVEL
 1: HIGH LEVEL

TYPE	V _{DD}
TC74AC86F	+2 to +5.5V
OTHER TYPES	+2 to +6V

NJM319M (JRC) FLAT PACKAGE

DUAL VOLTAGE COMPARATOR
- TOP VIEW -

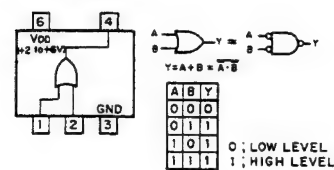
RC1496M (RAYTHEON) FLAT PACKAGE

BALANCED MODULATOR/DEMULATOR
- TOP VIEW -SC7S04F (MOTOROLA) FLAT PACKAGE
TC7S04F (TOSHIBA) FLAT PACKAGECMOS INVERTER
- TOP VIEW -

$$A \rightarrow Y = \bar{A}$$

A	Y
0	1
1	0

0: LOW LEVEL
 1: HIGH LEVEL

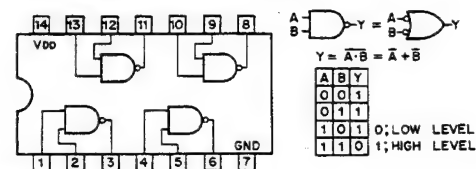
SC7S32F (MOTOROLA) FLAT PACKAGE
TC7S32F (TOSHIBA) FLAT PACKAGECMOS 2-INPUT OR GATE
- TOP VIEW -

$$Y = A + B = \bar{A}\bar{B}$$

A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0: LOW LEVEL
 1: HIGH LEVEL

SN74HC00NS (TI) FLAT PACKAGE

CMOS QUAD 2-INPUT NAND GATE
- TOP VIEW -

$$Y = \bar{A}\bar{B} = \bar{A} + \bar{B}$$

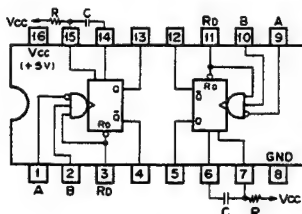
A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0: LOW LEVEL
 1: HIGH LEVEL

NOTE:

TYPE	V _{DD}
TC74AC00P	+2 to +5.5V
TC74AC00F	+2 to +5.5V
MC74HC00N	+5V
74ACT00PC	+5V
OTHER TYPES	+2 to +6V

SN74LS123NS (TI) FLAT PACKAGE
TTL RETRIGGERABLE MONOSTABLE
MULTIVIBRATOR WITH DIRECT RESET
- TOP VIEW -



INPUTS		OUTPUTS	
R _D	A B	Q	Q̄
0	X X	0	1
X	1 X	0	1
X	X 0	0	1
1	0 1	1	0
1	1 1	1	0
1	0 1	X	X

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

OUTPUT PULSE WIDTH

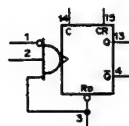
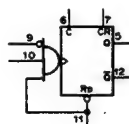
$$T_{123}; T_W = 0.28 \left(1 + \frac{700}{R}\right) CR$$

$$T_{123}; T_W = 0.33 \left(1 + \frac{700}{R}\right) CR$$

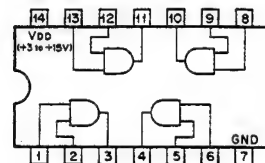
$$T_{123}; T_W = 0.25 \left(1 + \frac{700}{R}\right) CR$$

$$T_{123}; T_W = 0.29 \left(1 + \frac{700}{R}\right) CR$$

$$T_{123}; T_W = 0.45 CR$$



TC4081BF (TOSHIBA) FLAT PACKAGE
CMOS 2-INPUT AND GATE
- TOP VIEW -

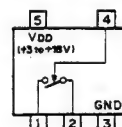


$Y = A \cdot B$

A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0: LOW LEVEL
1: HIGH LEVEL

TC4S66F (TOSHIBA)
CMOS BILATERAL ANALOG SWITCH
- TOP VIEW -

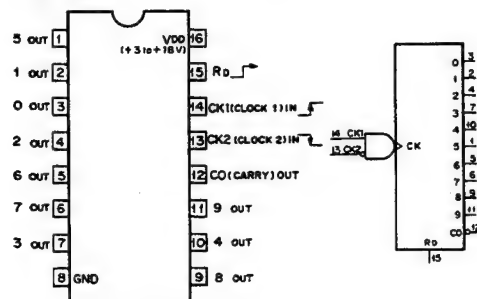


CONTROL SWITCH

CONTROL	SWITCH
0	OFF
1	ON

0: LOW LEVEL
1: HIGH LEVEL

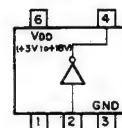
TC4017BF (TOSHIBA) FLAT PACKAGE
CMOS DECADE COUNTER/DIVIDER
- TOP VIEW -



COUNT	INPUTS			OUTPUTS									
	RD	CK1	CK2	9	8	7	6	5	4	3	2	1	CO
0	1	X		0	0	0	0	0	0	0	0	1	1
0	0			0	0	0	0	0	0	0	0	1	1
1	0			0	0	0	0	0	0	0	0	1	1
2	0			0	0	0	0	0	0	0	1	0	0
3	0			0	0	0	0	0	0	1	0	0	0
4	0			0	0	0	0	0	1	0	0	0	0
5	0			0	0	0	0	1	0	0	0	0	0
6	0			0	0	0	1	0	0	0	0	0	0
7	0			0	0	1	0	0	0	0	0	0	0
8	0			0	1	0	0	0	0	0	0	0	0
9	0			1	0	0	0	0	0	0	0	0	0
NO COUNT	0	1											
	0	0											

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

TC4SU69F (TOSHIBA) FLAT PACKAGE
CMOS INVERTER BUFFER
- TOP VIEW -

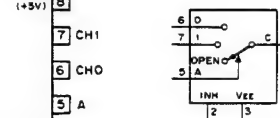
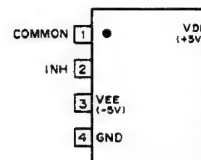


$Y = \bar{A}$

A	Y
0	1
1	0

0: LOW LEVEL
1: HIGH LEVEL

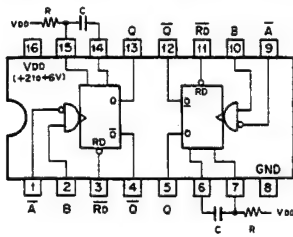
TC4W53F (TOSHIBA) FLAT PACKAGE
CMOS 2-CHANNEL MULTIPLEXER/DEMULTIPLEXER
- TOP VIEW -



CONT. INPUT		ON CHANNEL
INH	A	
0	0	0
0	1	1
1	X	OPEN

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

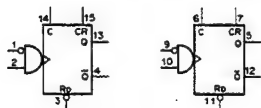
TC74HC123AF (TOSHIBA) FLAT PACKAGE

C-MOS DUAL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
- TOP VIEW -

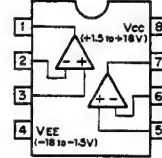
INPUT		OUTPUT	
RD	Q	Q	Q
0	X	X	0
1	1	X	0
1	X	0	1
1	0	1	1
1	1	1	1

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

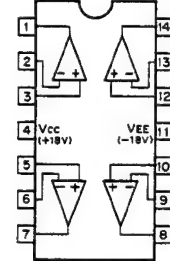
OUTPUT PULSE WIDTH = 0.46CR



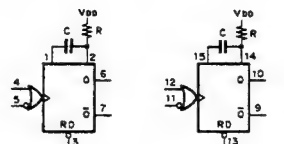
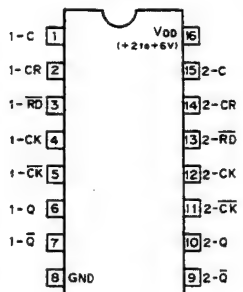
TL062CPS (TI) FLAT PACKAGE

OPERATIONAL AMPLIFIER
(JFET INPUT)
- TOP VIEW -

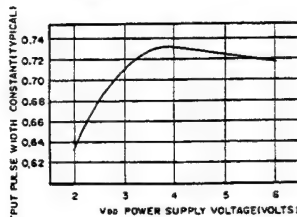
TL064CNS (TI) FLAT PACKAGE

OPERATIONAL AMPLIFIER
(J FET-INPUT)
- TOP VIEW -

TC74HC4538AF (TOSHIBA) FLAT PACKAGE

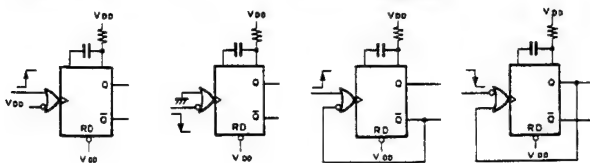
C-MOS DUAL RETRIGGERABLE/NON-RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
- TOP VIEW -

OUTPUT PULSE WIDTH = k · C · R

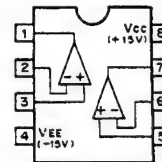


NON-RETRIGGERABLE M.M.V

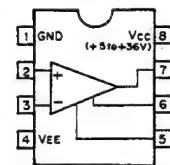
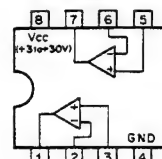
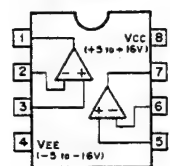
RETRIGGERABLE M.M.V



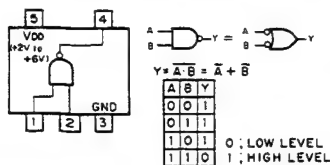
TL082CPS (TI) FLAT PACKAGE

OPERATIONAL AMPLIFIER
(J FET-INPUT)
- TOP VIEW -

uPC311G2 (NEC) FLAT PACKAGE

VOLTAGE COMPARATOR
- TOP VIEW -uPC358G2 (NEC) FLAT PACKAGE
DUAL OPERATIONAL AMPLIFIERS
- TOP VIEW -uPC812G2 (NEC) FLAT PACKAGE
OPERATIONAL AMPLIFIER (JFET INPUT)
- TOP VIEW -

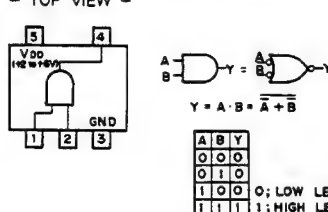
TC7S00F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT NAND GATE
- TOP VIEW -

A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0; LOW LEVEL
1; HIGH LEVEL

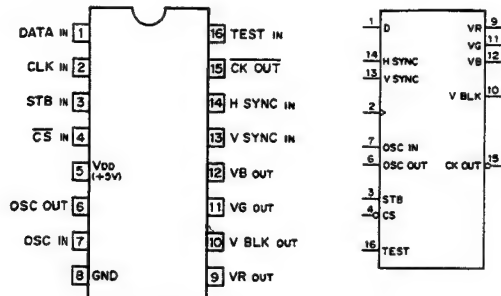
TC7S08F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT AND GATE
- TOP VIEW -

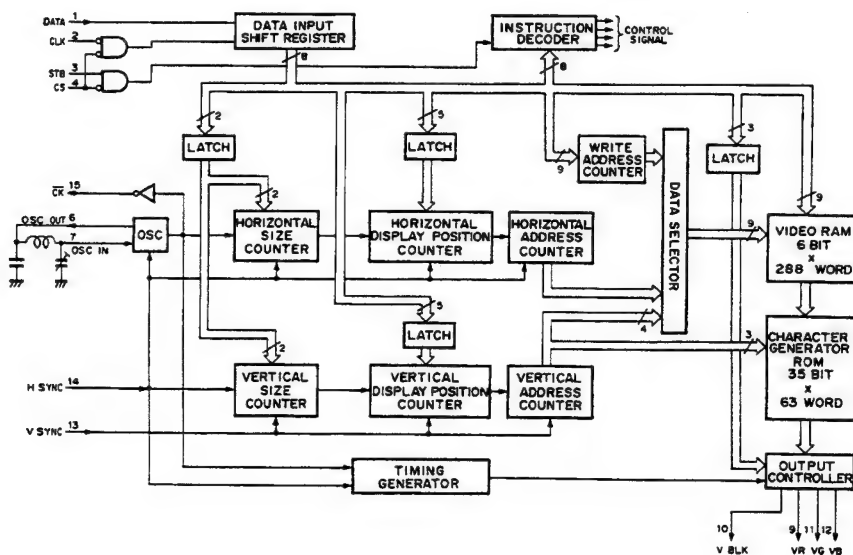
A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0; LOW LEVEL
1; HIGH LEVEL

UPD6142G-101 (NEC) FLAT PACKAGE
CMOS 8-BIT SERIAL INPUT CHARACTER DISPLAY
- TOP VIEW -

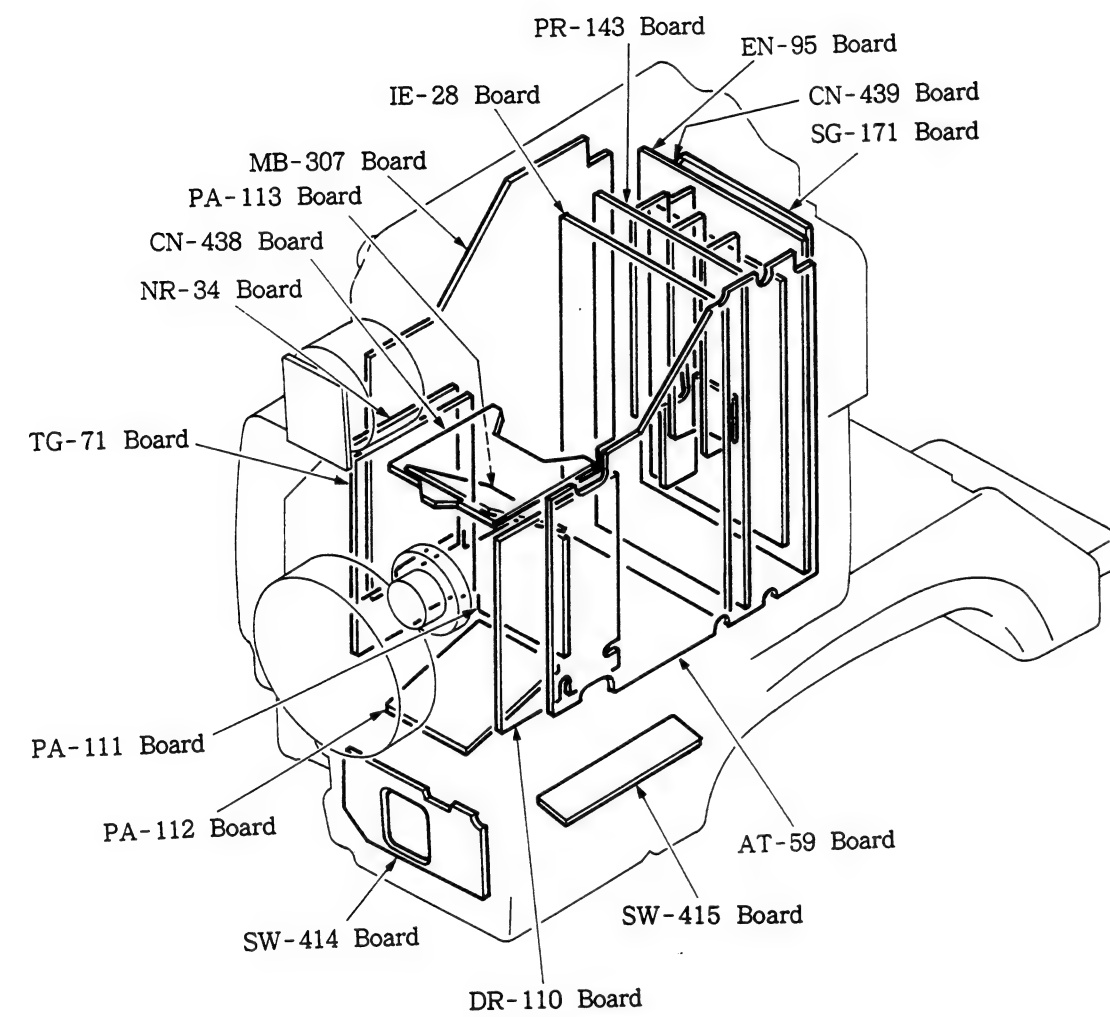


D; DATA INPUT
CK OUT; EQUAL TO OUTPUT OF OSC OUT
CLK; CLOCK INPUT
CS; CHIP SELECT INPUT
H SYNC; H SYNC INPUT
OSC IN, OUT; EXTERNAL TERMINAL FOR OSC
STB; STROBE INPUT
TEST; TEST CLOCK INPUT
VB; BLUE CHARACTER DATA OUTPUT
V BLK; V BLANKING OUTPUT
VG; GREEN CHARACTER DATA OUTPUT
VR; RED CHARACTER DATA OUTPUT
V SYNC; V SYNC INPUT



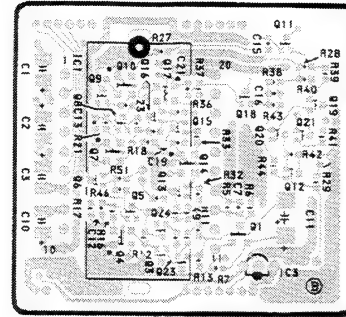
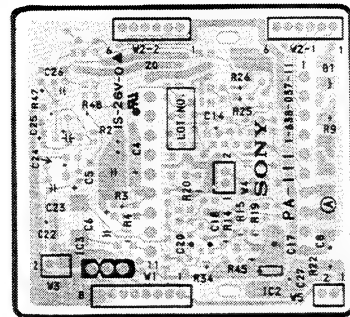
SECTION C

SCHEMATIC DIAGRAMS AND BOARD ILLUSTRATIONS

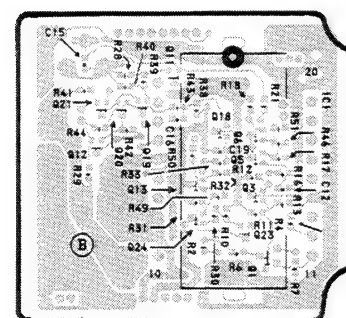
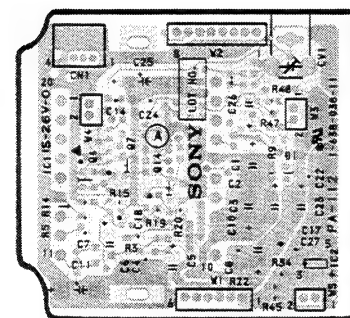


PA-111 BOARD

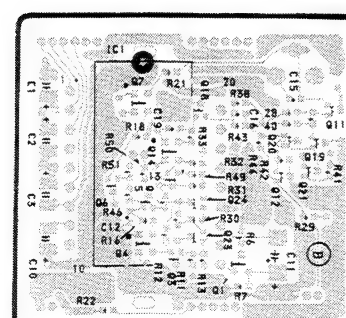
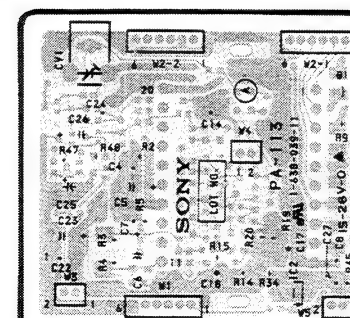
S/N J ; 30001 through 30590
UC; 10001 through 10840
EK; 40001 through 40690



PA-112 BOARD



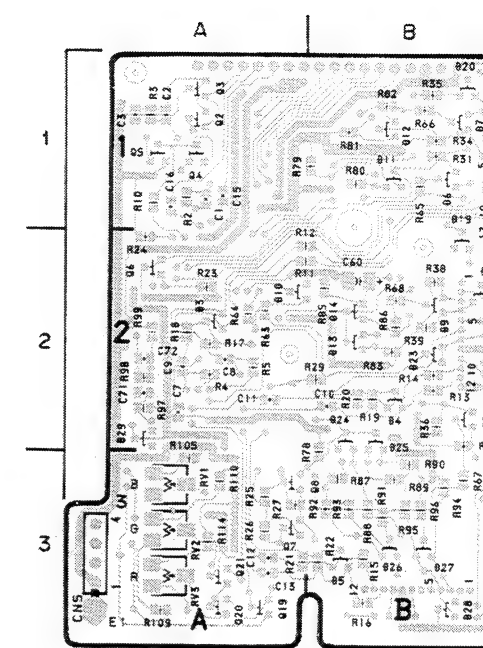
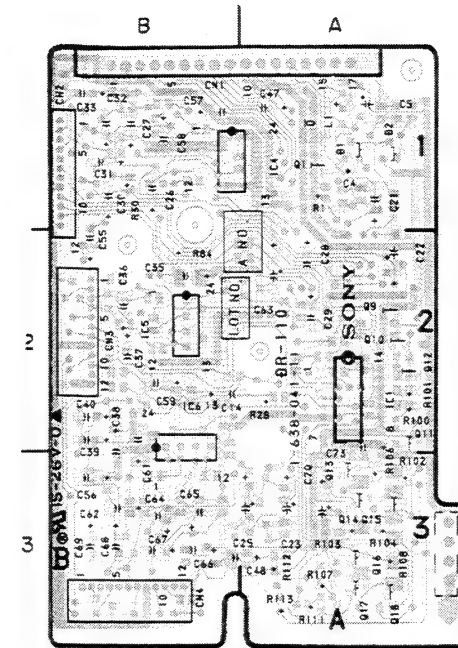
PA-113 BOARD



DR-110 BOARD

DR-110(1-638-041-11)

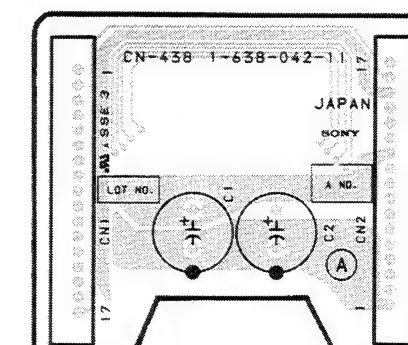
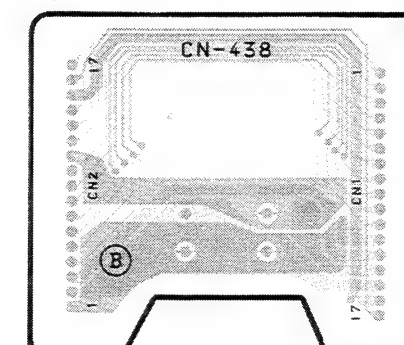
CN1 B-1	L1 A-1
CN2 B-1	
CN3 B-2	Q1 A-1
CN4 B-3	Q2 A-1
CN5 A-3	Q3 A-1
	Q4 A-1
	Q5 A-1
D1 A-1	Q6 A-2
D2 A-1	Q7 A-3
D3 A-2	Q8 B-3
D4 B-2	Q9 A-2
D5 B-3	Q10 A-2
D6 A-1	
D7 B-1	Q11 A-2
D8 B-2	Q12 A-2
D9 B-2	Q13 A-3
D10 A-2	Q14 A-3
D11 A-1	Q15 A-3
D12 A-1	Q16 A-3
D13 B-2	Q17 A-3
D14 B-2	Q18 A-3
D19 A-1	Q19 A-3
D20 B-1	Q20 A-3
D21 B-2	Q21 A-3
D23 B-2	
D24 B-2	
D25 B-2	RV1 A-3
D26 B-3	RV2 A-3
D27 B-3	RV3 A-3
D28 B-3	
IC1 A-2	
IC4 A-2	
IC5 B-2	
IC6 B-2	



DR-110(1-638-041-11)

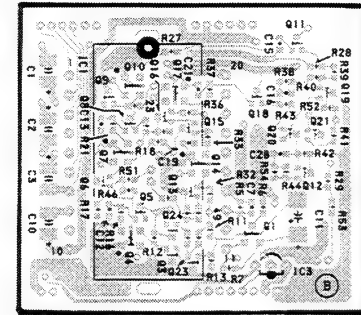
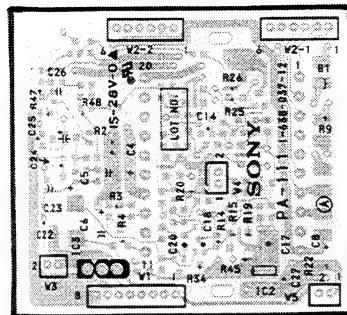
CN1 B-1	L1 A-1
CN2 B-1	
CN3 B-2	Q1 A-1
CN4 B-3	Q2 A-1
CN5 A-3	Q3 A-1
	Q4 A-1
	Q5 A-1
D1 A-1	Q6 A-2
D2 A-1	Q7 A-3
D3 A-2	Q8 B-3
D4 B-2	Q9 A-2
D5 B-3	Q10 A-2
D6 A-1	
D7 B-1	Q11 A-2
D8 B-2	Q12 A-2
D9 B-2	Q13 A-3
D10 A-2	Q14 A-3
D11 A-1	Q15 A-3
D12 A-1	Q16 A-3
D13 B-2	Q17 A-3
D14 B-2	Q18 A-3
D19 A-1	Q19 A-3
D20 B-1	Q20 A-3
D21 B-2	Q21 A-3
D23 B-2	
D24 B-2	
D25 B-2	RV1 A-3
D26 B-3	RV2 A-3
D27 B-3	RV3 A-3
D28 B-3	
IC1 A-2	
IC4 A-2	
IC5 B-2	
IC6 B-2	

CN-438 BOARD



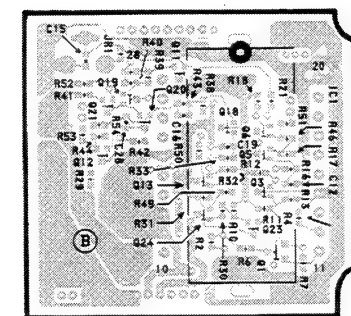
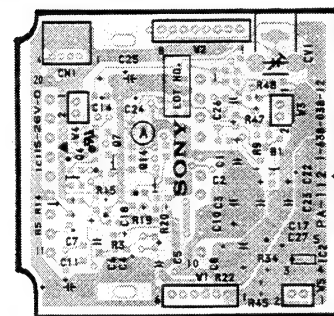
PA-111 BOARD

S/N J : 30591 through 30880
UC : 10841 through 11540
EK : 40691 through 41370



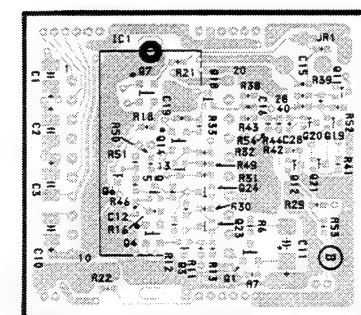
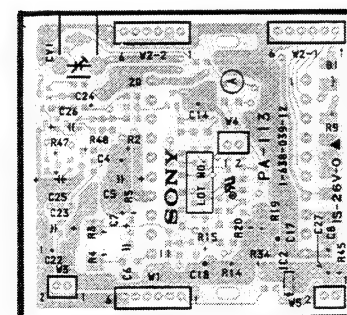
1-638-037-12 SOLDERING SIDE

PA-112 BOARD



1-638-038-12 SOLDERING SIDE

PA-113 BOARD

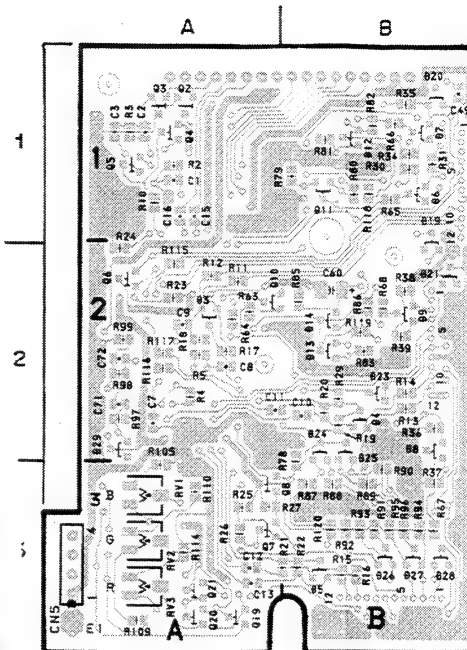
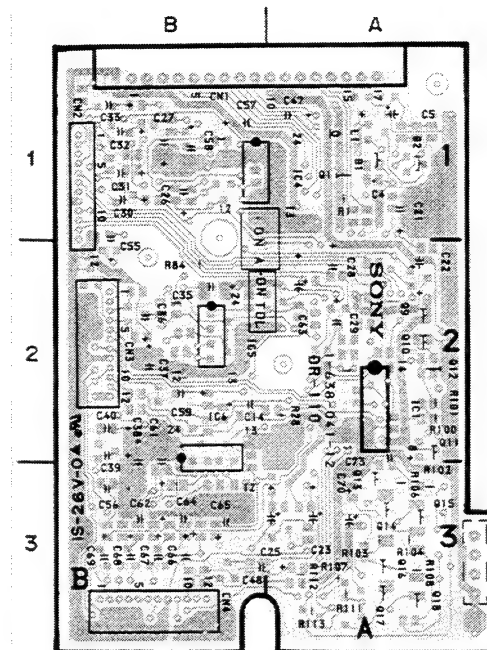


1-638-039-12 SOLDERING SIDE

DR-110 BOARD

DR-110(1-638-041-12)

CN1	B-1	L1	A-1
CN2	B-1		
CN3	B-2	Q1	A-1
CN4	B-3	Q2	A-1
CN5	A-3	Q3	A-1
		Q4	A-1
D1	A-1	Q5	A-1
D2	A-1	Q6	A-2
D3	A-2	Q7	A-3
D4	B-2	Q8	B-3
D5	B-3	Q9	A-2
D6	B-1	Q10	A-2
D7	B-1		
D8	B-2	Q11	A-2
D9	B-2	Q12	A-2
D10	A-2	Q13	A-3
D11	B-1	Q14	A-3
D12	B-1	Q15	A-3
D13	B-2	Q16	A-3
D14	B-2	Q17	A-3
D19	A-1	Q18	A-3
D20	B-1	Q19	A-3
D21	B-2	Q20	A-3
D23	B-2	Q21	A-3
D24	B-2		
D25	B-2	RV1	A-3
D26	B-3	RV2	A-3
D27	B-3	RV3	A-3
D28	B-3		
D29	A-2		
IC1	A-2		
IC4	A-1		
IC5	B-2		
IC6	B-2		

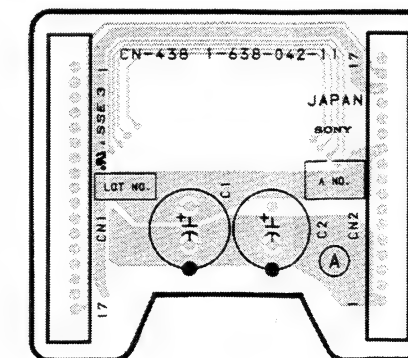
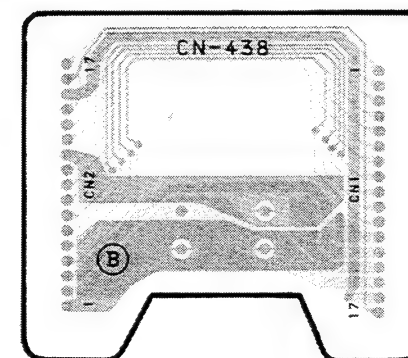


1-638-041-12 SOLDERING SIDE

DR-110(1-638-041-12)

CN1	B-1	L1	A-1
CN2	B-1		
CN3	B-2	Q1	A-1
CN4	B-3	Q2	A-1
CN5	A-3	Q3	A-1
		Q4	A-1
D1	A-1	Q5	A-1
D2	A-1	Q6	A-2
D3	A-2	Q7	A-3
D4	B-2	Q8	B-3
D5	B-3	Q9	A-2
D6	B-1	Q10	A-2
D7	B-1		
D8	B-2	Q11	A-2
D9	B-2	Q12	A-2
D10	A-2	Q13	A-3
D11	B-1	Q14	A-3
D12	B-1	Q15	A-3
D13	B-2	Q16	A-3
D14	B-2	Q17	A-3
D19	B-1	Q18	A-3
D20	B-1	Q19	A-3
D21	B-2	Q20	A-3
D23	B-2	Q21	A-3
D24	B-2		
D25	B-2	RV1	A-3
D26	B-3	RV2	A-3
D27	B-3	RV3	A-3
D28	B-3		
D29	A-2		
IC1	A-2		
IC4	A-1		
IC5	B-2		
IC6	B-2		

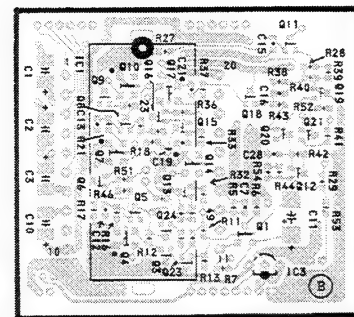
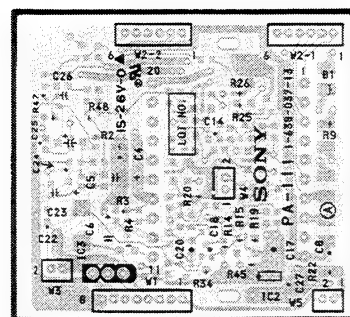
CN-438 BOARD



1-638-042-11 SOLDERING SIDE

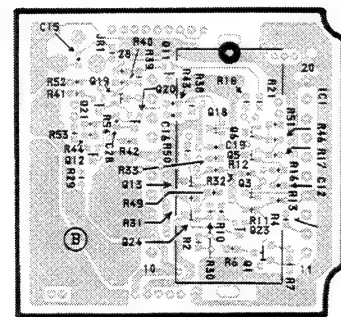
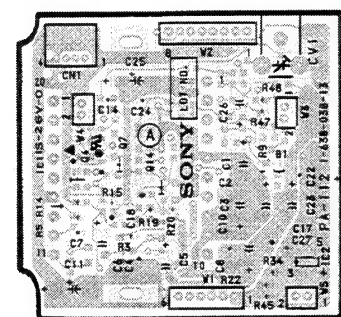
S/N J; 30881 and higher
UC; 11541 and higher
EK; 41371 and higher

PA-111 BOARD



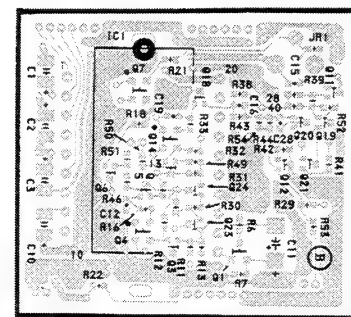
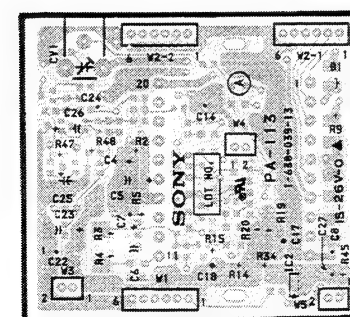
1-638-037-13 SOLDERING SIDE

PA-112 BOARD



1-638-038-13 SOLDERING SIDE

PA-113 BOARD

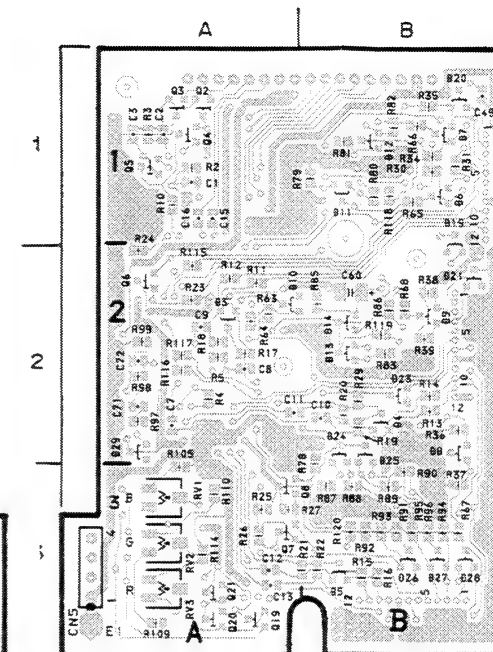
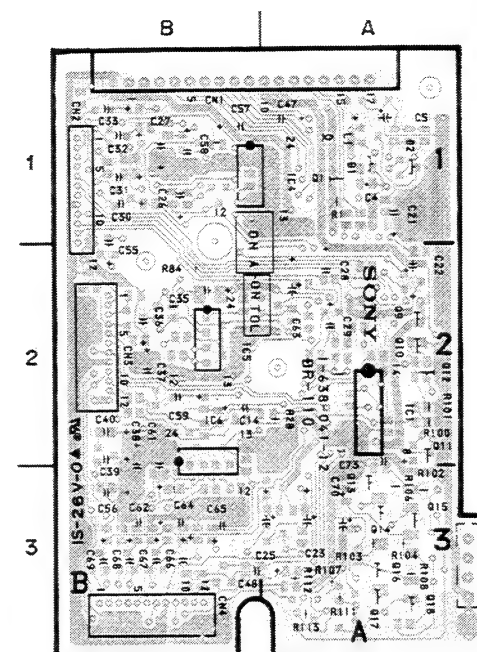


1-638-039-13 SOLDERING SIDE

DR-110 BOARD

DR-110(1-638-041-12)

CN1	B-1	L1	A-1
CN2	B-1		
CN3	B-2	Q1	A-1
CN4	B-3	Q2	A-1
CN5	A-3	Q3	A-1
		Q4	A-1
		Q5	A-1
D1	A-1	Q6	A-2
D2	A-1	Q7	A-3
D3	A-2	Q8	B-3
D4	B-2	Q9	A-2
D5	B-3	Q10	A-2
D6	B-1		
D7	B-1		
D8	B-2	Q11	A-2
D9	B-2	Q12	A-2
D10	A-2	Q13	A-3
D11	B-1	Q14	A-3
D12	B-1	Q15	A-3
D13	B-2	Q16	A-3
D14	B-2	Q17	A-3
D19	A-1	Q18	A-3
D20	B-1	Q19	A-3
D21	B-2	Q20	A-3
D23	B-2	Q21	A-3
D24	B-2		
D25	B-2	RV1	A-3
D26	B-3	RV2	A-3
D27	B-3	RV3	A-3
D28	B-3		
D29	A-2		
IC1	A-2		
IC4	A-1		
IC5	B-2		
IC6	B-2		

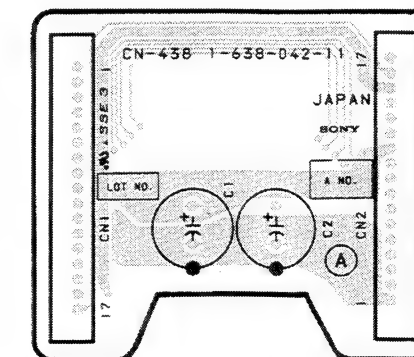
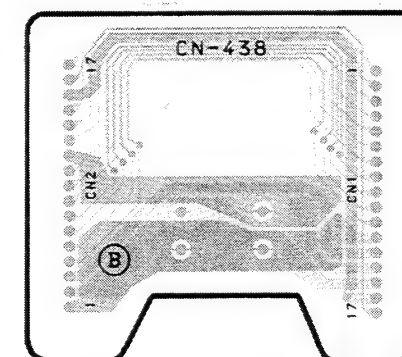


1-638-041-12 SOLDERING SIDE

DR-110(1-638-041-12)

CN1	B-1	L1	A-1
CN2	B-1		
CN3	B-2	Q1	A-1
CN4	B-3	Q2	A-1
CN5	A-3	Q3	A-1
		Q4	A-1
		Q5	A-1
D1	A-1	Q6	A-2
D2	A-1	Q7	A-3
D3	A-2	Q8	B-3
D4	B-2	Q9	A-2
D5	B-3	Q10	A-2
D6	B-1		
D7	B-1		
D8	B-2	Q11	A-2
D9	B-2	Q12	A-2
D10	A-2	Q13	A-3
D11	B-1	Q14	A-3
D12	B-1	Q15	A-3
D13	B-2	Q16	A-3
D14	B-2	Q17	A-3
D19	B-1	Q18	A-3
D20	B-1	Q19	A-3
D21	B-2	Q20	A-3
D23	B-2	Q21	A-3
D24	B-2		
D25	B-2	RV1	A-3
D26	B-3	RV2	A-3
D27	B-3	RV3	A-3
D28	B-3		
D29	A-2		
IC1	A-2		
IC4	A-1		
IC5	B-2		
IC6	B-2		

CN-438 BOARD

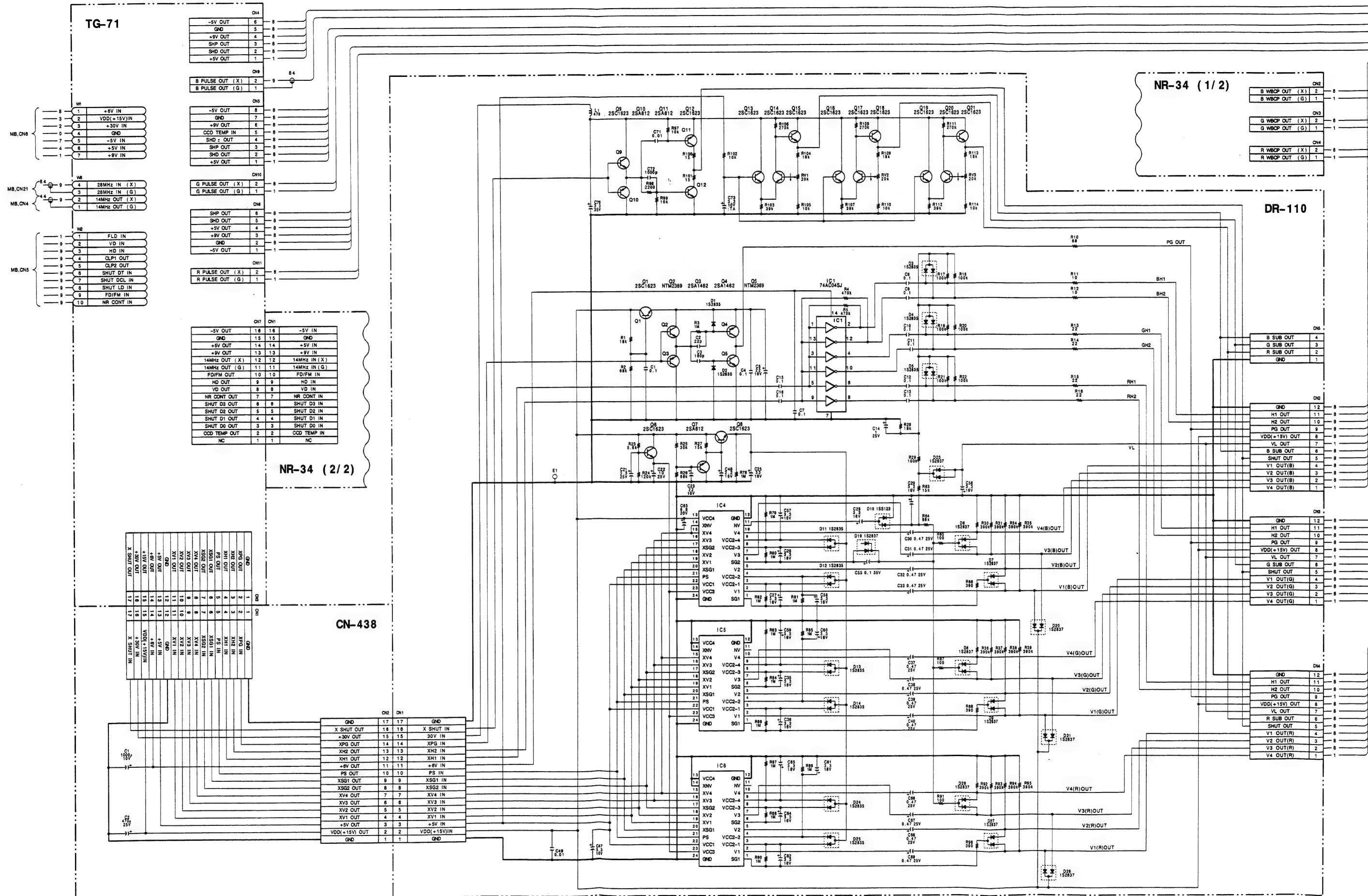


1-638-042-11 SOLDERING SIDE

DXC-537 (J,UC)
DXC-537P (EK)

CCD BLOCK TG-71,PA-111,112,113
NR-34,DR-110,CN-438

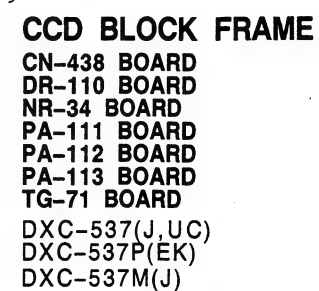
TG-71 BOARD
PA-111 BOARD
PA-112 BOARD
PA-113 BOARD
NR-34 BOARD
DR-110 BOARD
CN-438 BOARD



DXC-537 (J, U C)
DXC-537P (E K)

C-5

C-6

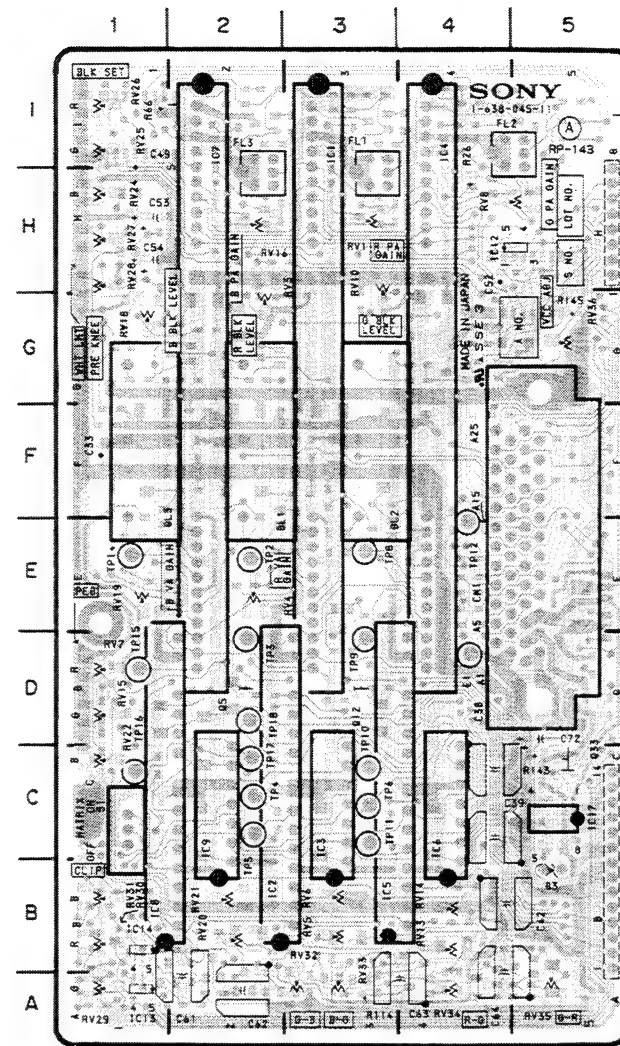


S/N J; 30001 through 30040
 UC; 10001 through 10060
 EK; 40001 through 40050

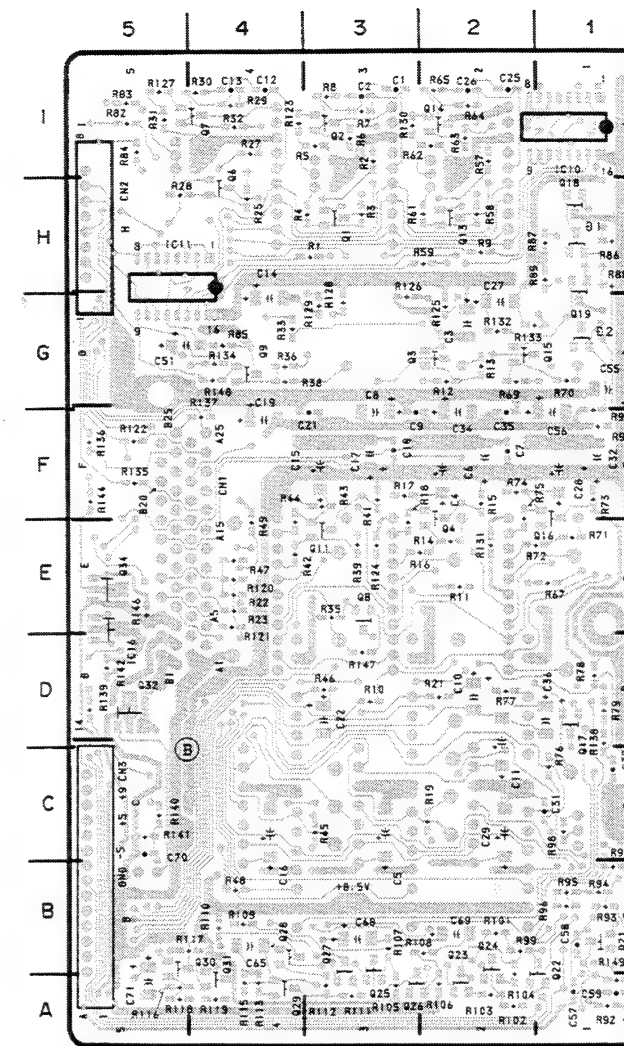
PR-143 BOARD

PR-143(1-638-045-11)

CN1 E-4	Q14 I-2	RV34 A-4
CN2 H-5	Q15 G-1	RV35 A-5
CN3 C-5	Q16 E-1	RV36 G-5
	Q17 D-1	
D1 H-1	Q18 H-1	S1 C-1
D2 G-1	Q19 G-1	
D3 B-5	Q21 B-1	TP2 E-2
	Q22 B-1	TP3 D-2
DL1 E-2	Q23 B-2	TP4 C-2
DL2 E-3	Q24 B-2	TP5 B-2
DL3 E-1	Q25 A-3	TP6 C-3
	Q26 A-3	TP8 E-3
E1 D-4	Q27 B-3	TP9 D-3
	Q28 B-4	TP10 C-3
FL1 I-3	Q29 A-4	TP11 C-3
FL2 I-4	Q30 B-4	TP12 E-4
FL3 I-2	Q31 B-4	TP14 E-1
	Q32 D-5	TP15 D-1
IC1 I-3	Q33 C-5	TP16 D-1
IC2 B-2	Q34 E-5	TP17 C-2
IC3 C-3		TP18 D-2
IC4 I-4	RV1 H-3	
IC5 B-3	RV3 G-2	
IC6 C-4	RV4 E-2	
IC7 I-2	RV5 B-3	
IC8 B-1	RV6 B-3	
IC9 C-2	RV7 D-1	
IC10 I-1	RV8 H-4	
IC11 H-5	RV10 H-3	
IC12 H-4	RV13 B-4	
IC13 A-1	RV14 B-4	
IC14 B-1	RV15 D-1	
IC16 D-5	RV16 H-2	
IC17 C-5	RV18 G-1	
	RV19 E-1	
Q1 H-3	RV20 B-2	
Q2 I-3	RV21 B-2	
Q3 G-3	RV22 D-1	
Q4 E-2	RV24 H-1	
Q5 D-2	RV25 I-1	
Q6 H-4	RV26 I-1	
Q7 I-4	RV27 H-1	
Q8 E-3	RV28 H-1	
Q9 G-4	RV29 A-1	
Q11 E-3	RV30 B-1	
Q12 D-3	RV31 B-1	
Q13 H-2	RV32 B-3	
	RV33 A-3	



1-638-045-11 COMPONENT SIDE



1-638-045-11 SOLDERING SIDE

PR-143(1-638-045-11)

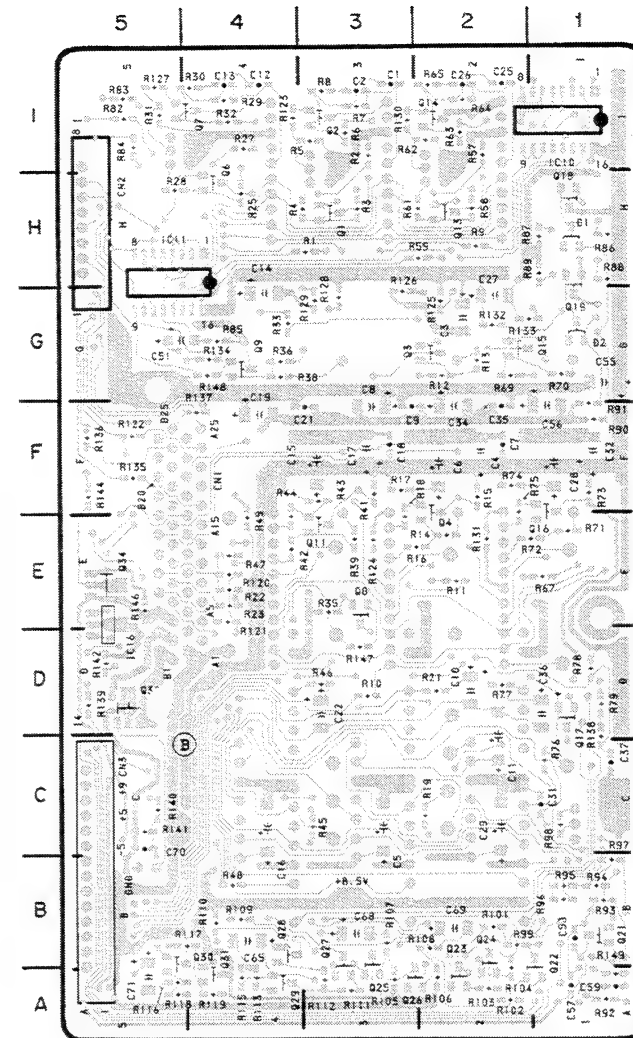
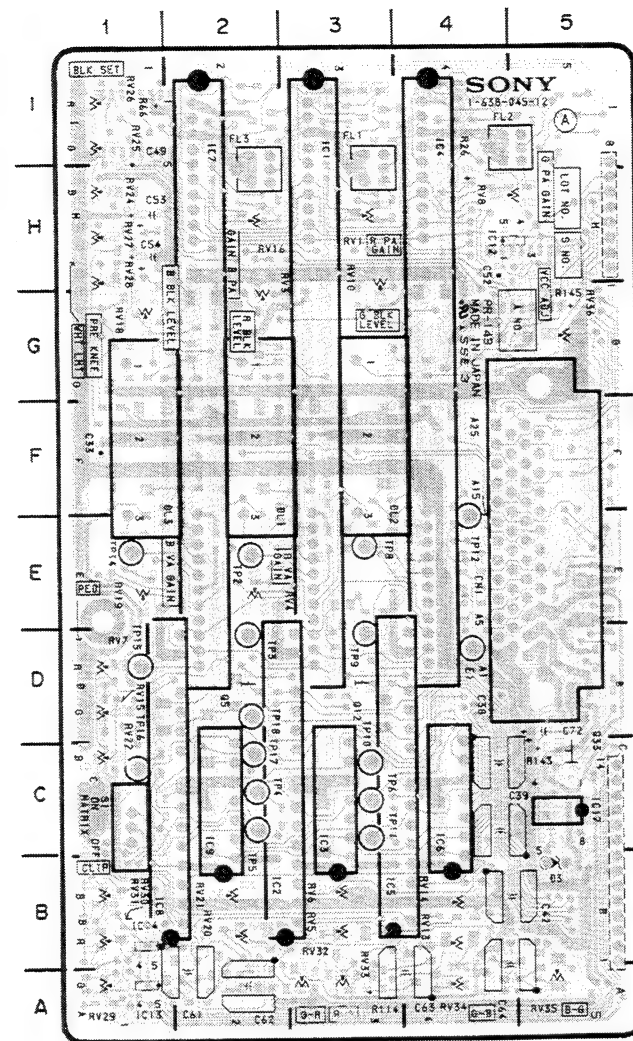
CN1 E-4	Q14 I-2	RV34 A-4
CN2 H-5	Q15 G-1	RV35 A-5
CN3 C-5	Q16 E-1	RV36 G-5
	Q17 D-1	
D1 H-1	Q18 H-1	S1 C-1
D2 G-1	Q19 G-1	
D3 B-5	Q21 B-1	TP2 E-2
	Q22 B-1	TP3 D-2
DL1 E-2	Q23 B-2	TP4 C-2
DL2 E-3	Q24 B-2	TP5 B-2
DL3 E-1	Q25 A-3	TP6 C-3
	Q26 A-3	TP8 E-3
E1 D-4	Q27 B-3	TP9 D-3
	Q28 B-4	TP10 C-3
FL1 I-3	Q29 A-4	TP11 C-3
FL2 I-4	Q30 B-4	TP12 E-4
FL3 I-2	Q31 B-4	TP14 E-1
	Q32 D-5	TP15 D-1
IC1 I-3	Q33 C-5	TP16 D-1
IC2 B-2	Q34 E-5	TP17 C-2
IC3 C-3		TP18 D-2
IC4 I-4	RV1 H-3	
IC5 B-3	RV3 G-2	
IC6 C-4	RV4 E-2	
IC7 I-2	RV5 B-3	
IC8 B-1	RV6 B-3	
IC9 C-2	RV7 D-1	
IC10 I-1	RV8 H-4	
IC11 H-5	RV10 H-3	
IC12 H-4	RV13 B-4	
IC13 A-1	RV14 B-4	
IC14 B-1	RV15 D-1	
IC16 D-5	RV16 H-2	
IC17 C-5	RV18 G-1	
	RV19 E-1	
Q1 H-3	RV20 B-2	
Q2 I-3	RV21 B-2	
Q3 G-3	RV22 D-1	
Q4 E-2	RV24 H-1	
Q5 D-2	RV25 I-1	
Q6 H-4	RV26 I-1	
Q7 I-4	RV27 H-1	
Q8 E-3	RV28 H-1	
Q9 G-4	RV29 A-1	
Q11 E-3	RV30 B-1	
Q12 D-3	RV31 B-1	
Q13 H-2	RV32 B-3	
	RV33 A-3	

PR-143 BOARD

S/N J; 30041 through 30590
 UC; 10061 through 10840
 EK; 40051 through 40690

PR-143(1-638-045-12)

CN1 E-4	Q14 I-2	RV34 A-4
CN2 H-5	Q15 G-1	RV35 A-5
CN3 C-5	Q16 E-1	RV36 G-5
	Q17 D-1	
D1 H-1	Q18 H-1	S1 C-1
D2 G-1	Q19 G-1	
D3 B-5	Q21 B-1	TP2 E-2
	Q22 B-1	TP3 D-2
DL1 E-2	Q23 B-2	TP4 C-2
DL2 E-3	Q24 B-2	TP5 B-2
DL3 E-1	Q25 A-3	TP6 C-3
	Q26 A-3	TP8 E-3
E1 D-4	Q27 B-3	TP9 D-3
	Q28 B-4	TP10 C-3
FL1 I-3	Q29 A-4	TP11 C-3
FL2 I-4	Q30 B-4	TP12 E-4
FL3 I-2	Q31 B-4	TP14 E-1
	Q32 D-5	TP15 D-1
IC1 I-3	Q33 C-5	TP16 D-1
IC2 B-2	Q34 E-5	TP17 C-2
IC3 C-3		TP18 D-2
IC4 I-4	RV1 H-3	
IC5 B-3	RV3 G-2	
IC6 C-4	RV4 E-2	
IC7 I-2	RV5 B-3	
IC8 B-1	RV6 B-3	
IC9 C-2	RV7 D-1	
IC10 I-1	RV8 H-4	
IC11 H-5	RV10 H-3	
IC12 H-4	RV13 B-4	
IC13 A-1	RV14 B-4	
IC14 B-1	RV15 D-1	
IC16 D-5	RV16 H-2	
IC17 C-5	RV18 G-1	
	RV19 E-1	
Q1 H-3	RV20 B-2	
Q2 I-3	RV21 B-2	
Q3 G-3	RV22 D-1	
Q4 E-2	RV24 H-1	
Q5 D-2	RV25 I-1	
Q6 H-4	RV26 I-1	
Q7 I-4	RV27 H-1	
Q8 E-3	RV28 H-1	
Q9 G-4	RV29 A-1	
Q11 E-3	RV30 B-1	
Q12 D-3	RV31 B-1	
Q13 H-2	RV32 B-3	
	RV33 A-3	



1-638-045-12 SOLDERING SIDE

PR-143(1-638-045-12)

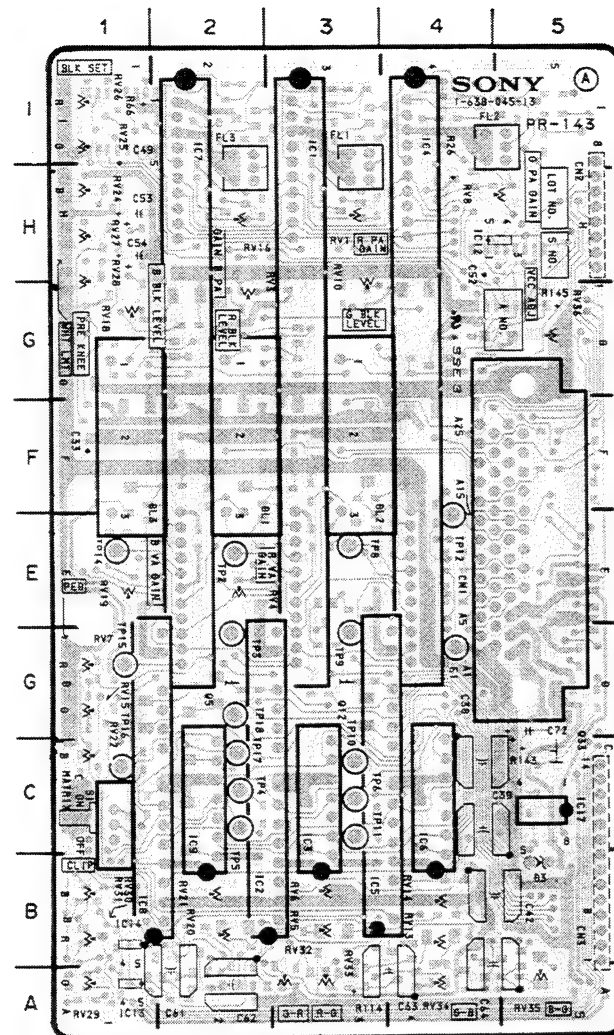
CN1 E-4	Q14 I-2	RV34 A-4
CN2 H-5	Q15 G-1	RV35 A-5
CN3 C-5	Q16 E-1	RV36 G-5
	Q17 D-1	
D1 H-1	Q18 H-1	S1 C-1
D2 G-1	Q19 G-1	
D3 B-5	Q21 B-1	TP2 E-2
	Q22 B-1	TP3 D-2
DL1 E-2	Q23 B-2	TP4 C-2
DL2 E-3	Q24 B-2	TP5 B-2
DL3 E-1	Q25 A-3	TP6 C-3
	Q26 A-3	TP8 E-3
E1 D-4	Q27 B-3	TP9 D-3
	Q28 B-4	TP10 C-3
FL1 I-3	Q29 A-4	TP11 C-3
FL2 I-4	Q30 B-4	TP12 E-4
FL3 I-2	Q31 B-4	TP14 E-1
	Q32 D-5	TP15 D-1
IC1 I-3	Q33 C-5	TP16 D-1
IC2 B-2	Q34 E-5	TP17 C-2
IC3 C-3		TP18 D-2
IC4 I-4	RV1 H-3	
IC5 B-3	RV3 G-2	
IC6 C-4	RV4 E-2	
IC7 I-2	RV5 B-3	
IC8 B-1	RV6 B-3	
IC9 C-2	RV7 D-1	
IC10 I-1	RV8 H-4	
IC11 H-5	RV10 H-3	
IC12 H-4	RV13 B-4	
IC13 A-1	RV14 B-4	
IC14 B-1	RV15 D-1	
IC16 D-5	RV16 H-2	
IC17 C-5	RV18 G-1	
	RV19 E-1	
Q1 H-3	RV20 B-2	
Q2 I-3	RV21 B-2	
Q3 G-3	RV22 D-1	
Q4 E-2	RV24 H-1	
Q5 D-2	RV25 I-1	
Q6 H-4	RV26 I-1	
Q7 I-4	RV27 H-1	
Q8 E-3	RV28 H-1	
Q9 G-4	RV29 A-1	
Q11 E-3	RV30 B-1	
Q12 D-3	RV31 B-1	
Q13 H-2	RV32 B-3	
	RV33 A-3	

PR-143 BOARD

S/N J: 30591 through 30880
 UC: 10841 through 11540
 EK: 40691 through 41370

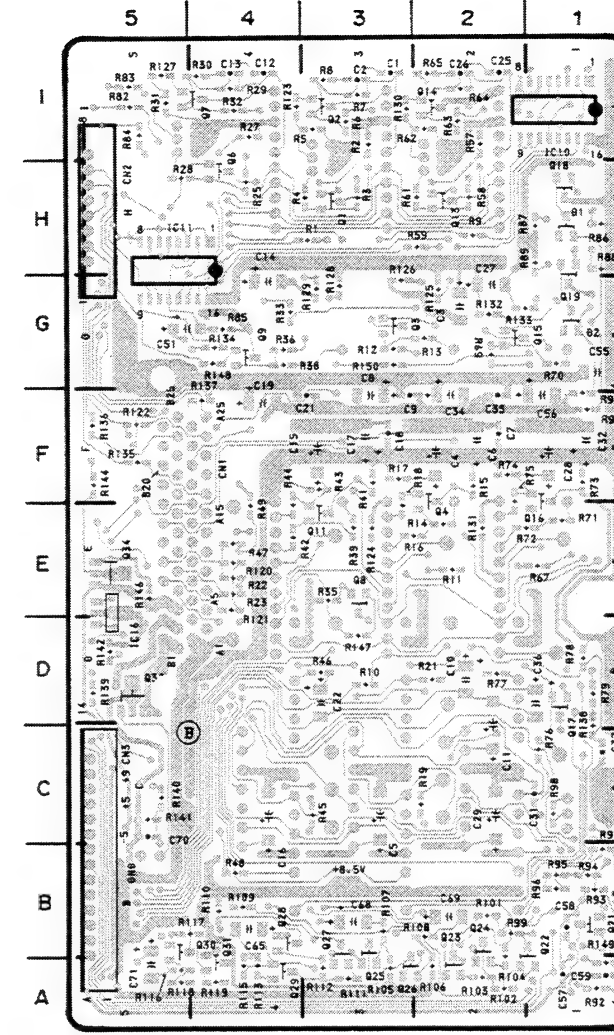
PR-143(1-638-045-13)

CN1	E-4	Q14	I-2	RV34	A-4
CN2	H-5	Q15	G-1	RV35	A-5
CN3	C-5	Q16	E-1	RV36	G-5
		Q17	D-1		
D1	H-1	Q18	H-1	S1	C-1
D2	G-1	Q19	G-1		
D3	B-5	Q21	B-1	TP2	E-2
		Q22	B-1	TP3	D-2
DL1	E-2	Q23	B-2	TP4	C-2
DL2	E-3	Q24	B-2	TP5	B-2
DL3	E-1	Q25	A-3	TP6	C-3
		Q26	A-3	TP8	E-3
E1	D-4	Q27	B-3	TP9	D-3
		Q28	B-4	TP10	C-3
FL1	I-3	Q29	A-4	TP11	C-3
FL2	I-4	Q30	B-4	TP12	E-4
FL3	I-2	Q31	B-4	TP14	E-1
		Q32	D-5	TP15	D-1
IC1	I-3	Q33	C-5	TP16	D-1
IC2	B-2	Q34	E-5	TP17	C-2
IC3	C-3			TP18	D-2
IC4	I-4	RV1	H-3		
IC5	B-3	RV3	H-3		
IC6	C-4	RV4	E-3		
IC7	I-2	RV5	B-3		
IC8	B-1	RV6	B-3		
IC9	C-2	RV7	D-1		
IC10	I-1	RV8	H-4		
IC11	H-5	RV10	H-3		
IC12	H-4	RV13	B-4		
IC13	A-1	RV14	B-4		
IC14	B-1	RV15	D-1		
IC16	D-5	RV16	H-2		
IC17	C-5	RV18	G-1		
		RV19	E-1		
Q1	H-3	RV20	B-2		
Q2	I-3	RV21	B-2		
Q3	G-3	RV22	D-1		
Q4	E-2	RV24	H-1		
Q5	D-2	RV25	I-1		
Q6	H-4	RV26	I-1		
Q7	I-4	RV27	H-1		
Q8	E-3	RV28	H-1		
Q9	G-4	RV29	A-1		
Q11	E-3	RV30	B-1		
Q12	D-3	RV31	B-1		
Q13	H-2	RV32	B-3		
		RV33	A-3		



PR-143(1-638-045-13)

CN1	E-4	Q14	I-2	RV34	A-4
CN2	H-5	Q15	G-1	RV35	A-5
CN3	C-5	Q16	E-1	RV36	G-5
		Q17	D-1		
D1	H-1	Q18	H-1	S1	C-1
D2	G-1	Q19	G-1		
D3	B-5	Q21	B-1	TP2	E-2
		Q22	B-1	TP3	D-2
DL1	E-2	Q23	B-2	TP4	C-2
DL2	E-3	Q24	B-2	TP5	B-2
DL3	E-1	Q25	A-3	TP6	C-3
		Q26	A-3	TP8	E-3
E1	D-4	Q27	B-3	TP9	D-3
		Q28	B-4	TP10	C-3
FL1	I-3	Q29	A-4	TP11	C-3
FL2	I-4	Q30	B-4	TP12	E-4
FL3	I-2	Q31	B-4	TP14	E-1
		Q32	D-5	TP15	D-1
IC1	I-3	Q33	C-5	TP16	D-1
IC2	B-2	Q34	E-5	TP17	C-2
IC3	C-3			TP18	D-2
IC4	I-4	RV1	H-3		
IC5	B-3	RV3	H-3		
IC6	C-4	RV4	E-3		
IC7	I-2	RV5	B-3		
IC8	B-1	RV6	B-3		
IC9	C-2	RV7	D-1		
IC10	I-1	RV8	H-4		
IC11	H-5	RV10	H-3		
IC12	H-4	RV13	B-4		
IC13	A-1	RV14	B-4		
IC14	B-1	RV15	D-1		
IC16	D-5	RV16	H-2		
IC17	C-5	RV18	G-1		
		RV19	E-1		
Q1	H-3	RV20	B-2		
Q2	I-3	RV21	B-2		
Q3	G-3	RV22	D-1		
Q4	E-2	RV24	H-1		
Q5	D-2	RV25	I-1		
Q6	H-4	RV26	I-1		
Q7	I-4	RV27	H-1		
Q8	E-3	RV28	H-1		
Q9	G-4	RV29	A-1		
Q11	E-3	RV30	B-1		
Q12	D-3	RV31	B-1		
Q13	H-2	RV32	B-3		
		RV33	A-3		



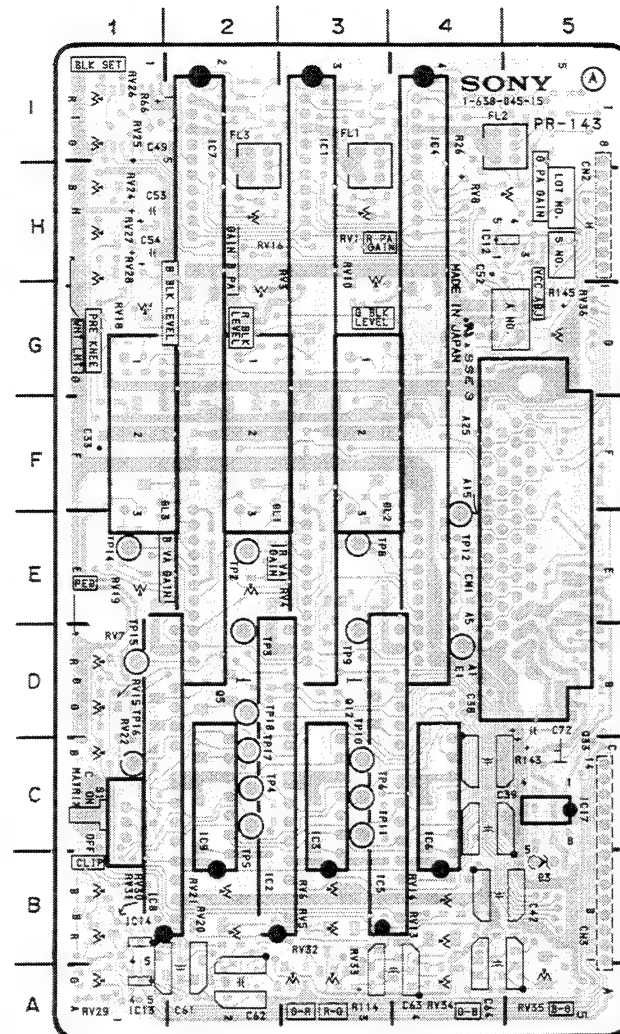
1-638-045-13 SOLDERING SIDE

PR-143 BOARD

S/N J ; 30881 and higher
UC; 11541 and higher
EK; 41371 and higher

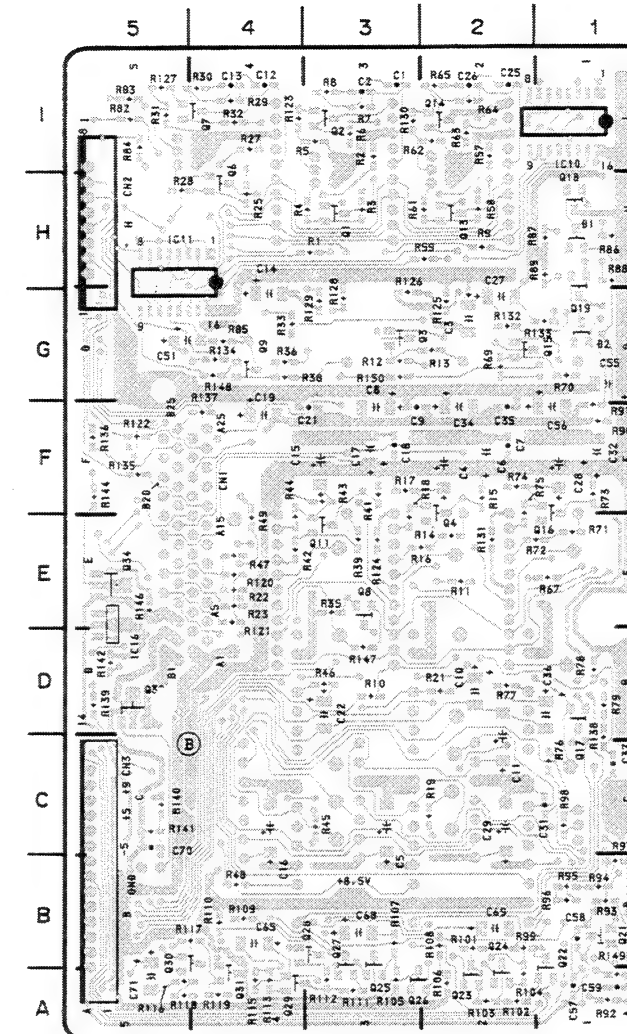
PR-143(1-638-045-14,15)

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CN2 H-5	Q15 G-1	RV35 A-5
CN3 C-5	Q16 E-1	RV36 G-5
	Q17 D-1	
D1 H-1	Q18 H-1	S1 C-1
D2 G-1	Q19 G-1	
D3 B-5	Q21 B-1	TP2 E-2
	Q22 B-1	TP3 D-2
DL1 E-2	Q23 B-2	TP4 C-2
DL2 E-3	Q24 B-2	TP5 B-2
DL3 E-1	Q25 A-3	TP6 C-3
	Q26 A-3	TP8 E-3
E1 D-4	Q27 B-3	TP9 D-3
	Q28 B-4	TP10 C-3
FL1 I-3	Q29 A-4	TP11 C-3
FL2 I-4	Q30 B-4	TP12 E-4
FL3 I-2	Q31 B-4	TP14 E-1
	Q32 D-5	TP15 D-1
IC1 I-3	Q33 C-5	TP16 D-1
IC2 B-2	Q34 E-5	TP17 C-2
IC3 C-3		TP18 D-2
IC4 I-4	RV1 H-3	
IC5 B-3	RV3 G-2	
IC6 C-4	RV4 E-2	
IC7 I-2	RV5 B-3	
IC8 B-1	RV6 B-3	
IC9 C-2	RV7 D-1	
IC10 I-1	RV8 H-4	
IC11 H-5	RV10 H-3	
IC12 H-4	RV13 B-4	
IC13 A-1	RV14 B-4	
IC14 B-1	RV15 D-1	
IC16 D-5	RV16 H-2	
IC17 C-5	RV18 G-1	
	RV19 E-1	
Q1 H-3	RV20 B-2	
Q2 I-3	RV21 B-2	
Q3 G-3	RV22 D-1	
Q4 E-2	RV24 H-1	
Q5 D-2	RV25 I-1	
Q6 H-4	RV26 I-1	
Q7 I-4	RV27 H-1	
Q8 E-3	RV28 H-1	
Q9 G-4	RV29 A-1	
Q11 E-3	RV30 B-1	
Q12 D-3	RV31 B-1	
Q13 H-2	RV32 B-3	
	RV33 A-3	



PR-143(1-638-045-14,15)

CN1 E-4	Q14 I-2	RV34 A-4
CN2 H-5	Q15 G-1	RV35 A-5
CN3 C-5	Q16 E-1	RV36 G-5
	Q17 D-1	
D1 H-1	Q18 H-1	S1 C-1
D2 G-1	Q19 G-1	
D3 B-5	Q21 B-1	TP2 E-2
	Q22 B-1	TP3 D-2
DL1 E-2	Q23 B-2	TP4 C-2
DL2 E-3	Q24 B-2	TP5 B-2
DL3 E-1	Q25 A-3	TP6 C-3
	Q26 A-3	TP8 E-3
E1 D-4	Q27 B-3	TP9 D-3
	Q28 B-4	TP10 C-3
FL1 I-3	Q29 A-4	TP11 C-3
FL2 I-4	Q30 B-4	TP12 E-4
FL3 I-2	Q31 B-4	TP14 E-1
	Q32 D-5	TP15 D-1
IC1 I-3	Q33 C-5	TP16 D-1
IC2 B-2	Q34 E-5	TP17 C-2
IC3 C-3		TP18 D-2
IC4 I-4	RV1 H-3	
IC5 B-3	RV3 G-2	
IC6 C-4	RV4 E-2	
IC7 I-2	RV5 B-3	
IC8 B-1	RV6 B-3	
IC9 C-2	RV7 D-1	
IC10 I-1	RV8 H-4	
IC11 H-5	RV10 H-3	
IC12 H-4	RV13 B-4	
IC13 A-1	RV14 B-4	
IC14 B-1	RV15 D-1	
IC16 D-5	RV16 H-2	
IC17 C-5	RV18 G-1	
	RV19 E-1	
Q1 H-3	RV20 B-2	
Q2 I-3	RV21 B-2	
Q3 G-3	RV22 D-1	
Q4 E-2	RV24 H-1	
Q5 D-2	RV25 I-1	
Q6 H-4	RV26 I-1	
Q7 I-4	RV27 H-1	
Q8 E-3	RV28 H-1	
Q9 G-4	RV29 A-1	
Q11 E-3	RV30 B-1	
Q12 D-3	RV31 B-1	
Q13 H-2	RV32 B-3	
	RV33 A-3	



1-638-045-14, 15 SOLDERING SIDE

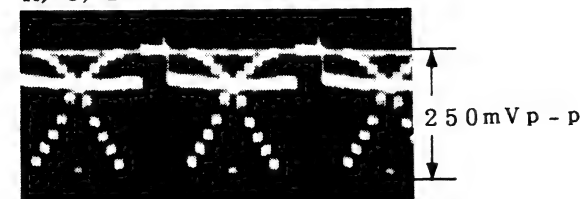
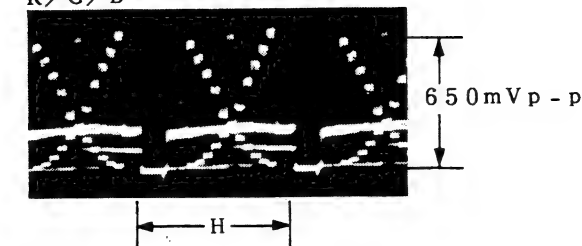
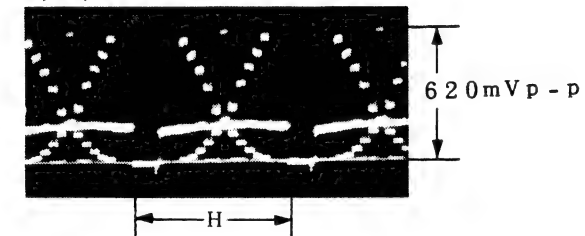
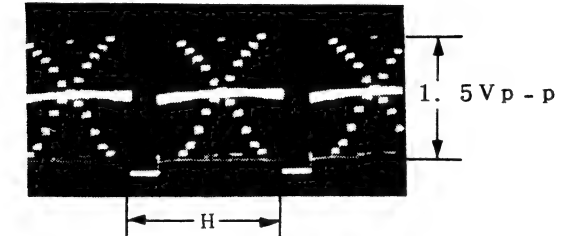
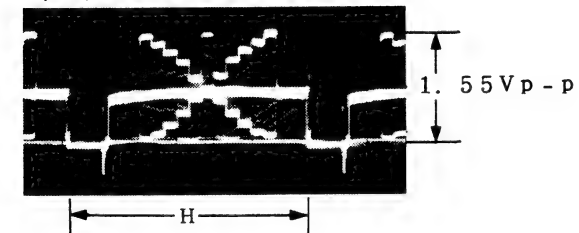
PR-143 BOARD

注意:

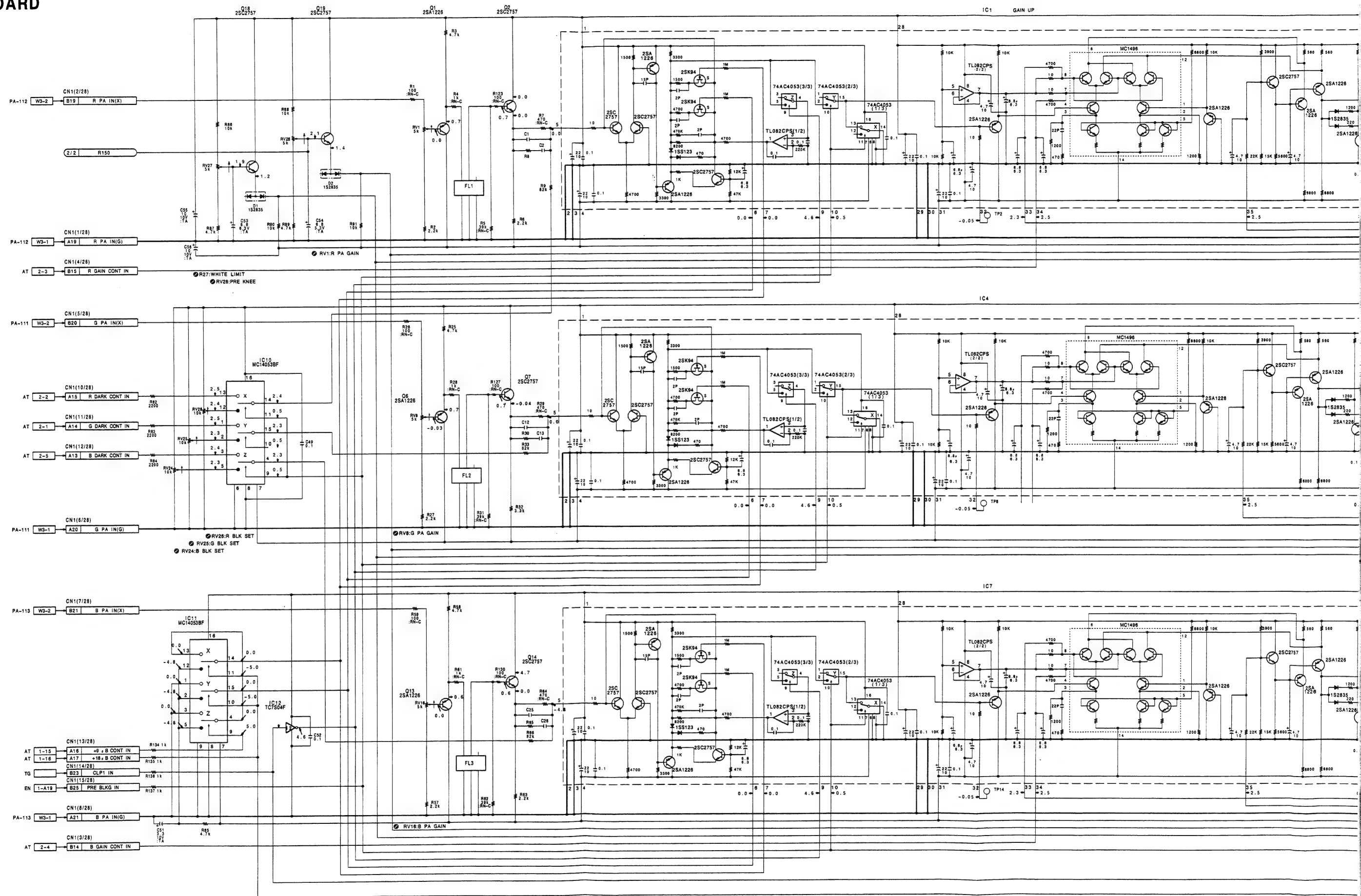
1. DC電圧はデジタル電圧計による値。
 2. 波形写真、及びDC電圧は下記条件での測定。
 - ・本機にCA-537を接続する。
 - ・グレースケールチャートを撮像し、波形モニターにて、ビデオ出力の白レベルが 100 IREになる様にレンズ絞りをセットする。
- ・ OUTPUT : CAM
 - ・ GAIN : 0 dB
 - ・ WHITE BAL : PRE
 - ・ SHUTTER : OFF
 - ・ ZEBRA MARKER : OFF OFF
 - ・ PHASE : 0°

NOTE:

1. All voltage are DC, measured with a digital voltmeter.
 2. All waveforms are taken and DC voltage is measured in condition below.
 - ・ Connect the camera adapter CA-537 to the camera.
 - ・ Shoot the grayscale chart. Adjust lens iris so that a white level is 100 IRE on the waveform monitor.
- ・ OUTPUT : CAM
 - ・ GAIN : 0 dB
 - ・ WHITE BAL : PRE
 - ・ SHUTTER : OFF
 - ・ ZEBRA MARKER : OFF OFF
 - ・ PHASE : 0°

 TP2/TP8/TP14
 INPUT VIDEO
 R/G/B

 TP4/TP10/TP16
 DELAYED
 R/G/B

 TP3/TP9/TP15
 PRE KNEE
 R/G/B

 TP6/TP12/TP18
 DETAIL MIX
 R/G/B

 TP5/TP11/TP17
 GUMMA COMP.
 R/G/B


PR-143(1/2)BOARD

DXC-537 (J,UC)
DXC-537P(EK)

C-17

C-18

A

B

C

D

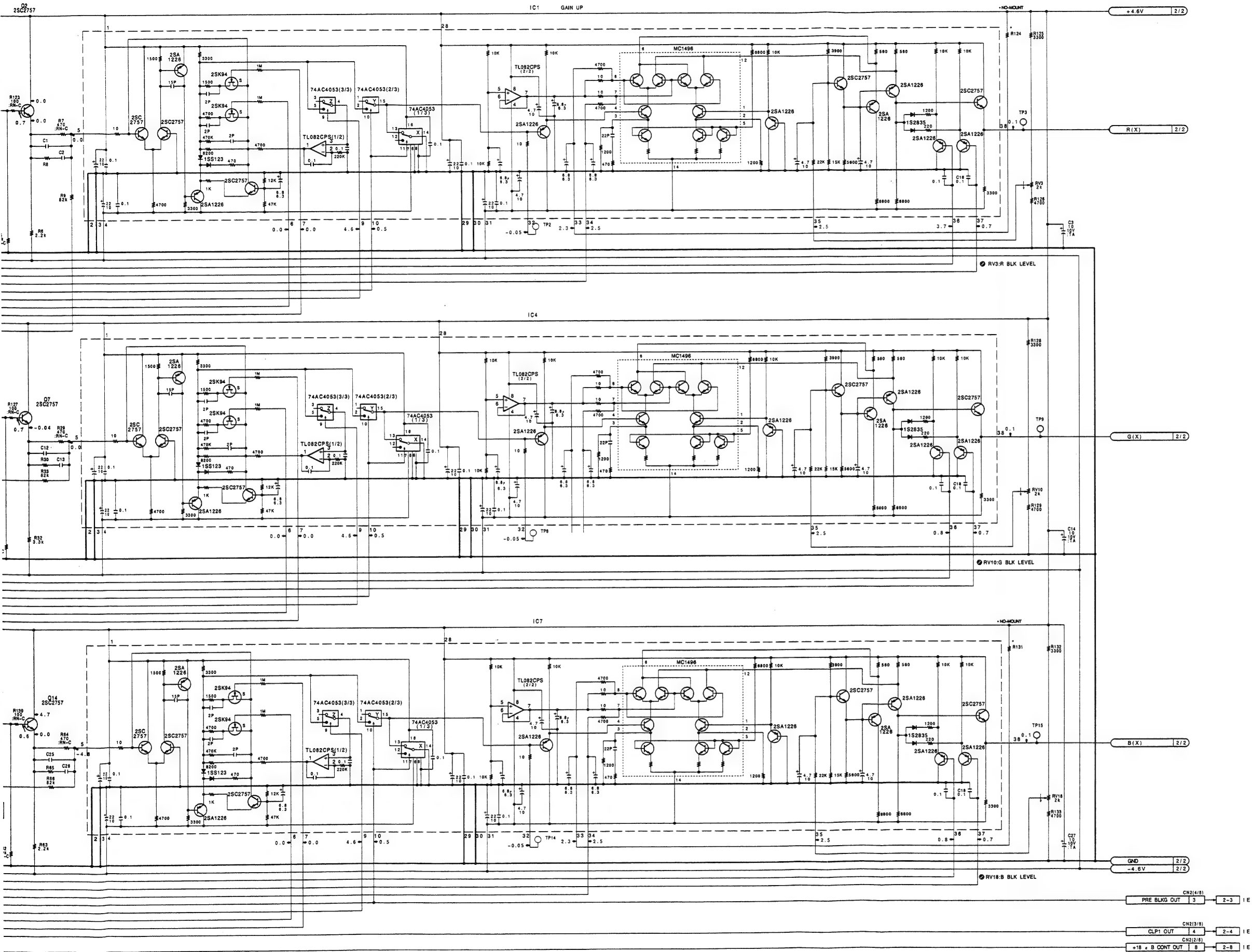
E

F

G

H

I



PR-143 BOARD(1/2)

DXC-537(J,UC)
DXC-537P(EK)
DXC-537M(J)

B- ∇ DXC537-PR143/M#1

C-18

C-19

E

F

G

H

I

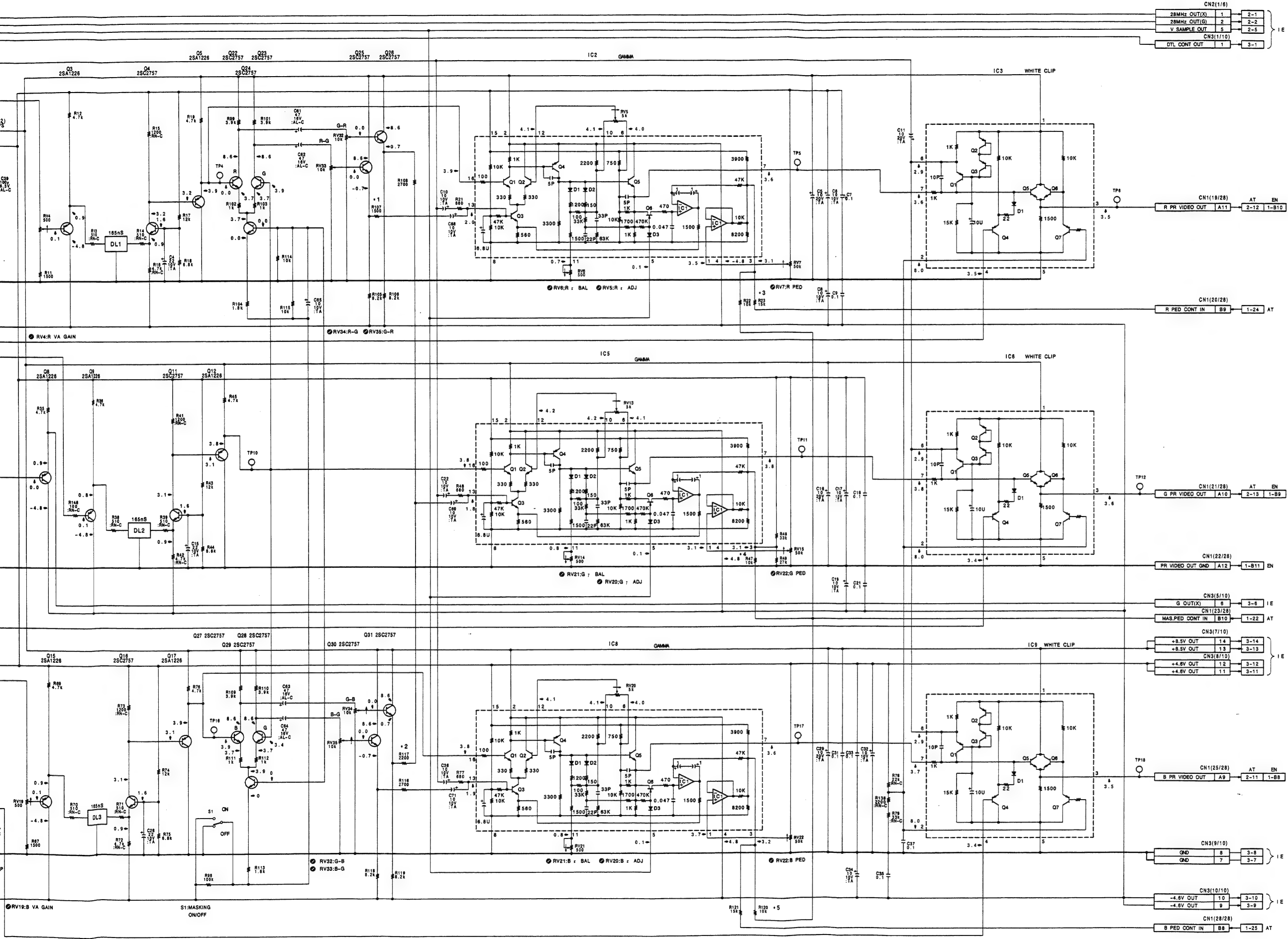
J

K

L

C-24

H



NOTE

MARK	ADDRESS	REF.	VALUE	MOUNTED BOARD	MODEL	SERIAL NUMBER
+1	F-2	R107	2700	A-7515-291-A	DXC-537 (J)	30001-30880
+2	F-5	R117	2700	A-7515-291-A	DXC-537P(EK)	40001 and higher
+1	F-2	R107	2200	A-7515-290-A	DXC-537 (UC)	10001 and higher
+2	F-5	R117	2200	A-8271-115-A	DXC-537 (J)	30881 and higher
+1	F-2	R107	1500		DXC-537M(J)	30001 and higher
+3	H-2	R22	15K			
+4	H-3	R47	15K			
+5	H-5	R120	15K			

PR-143 BOARD (2/2)
DXC-537 (J,UC)
DXC-537P(EK)
DXC-537M(J)

B-7 DXC537-PR143/M#2

IE-28 BOARD

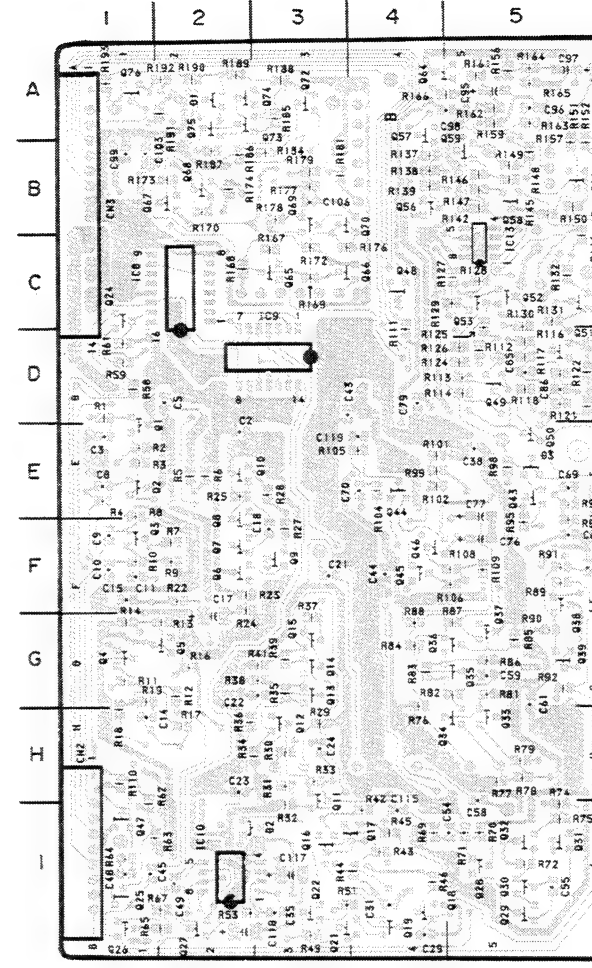
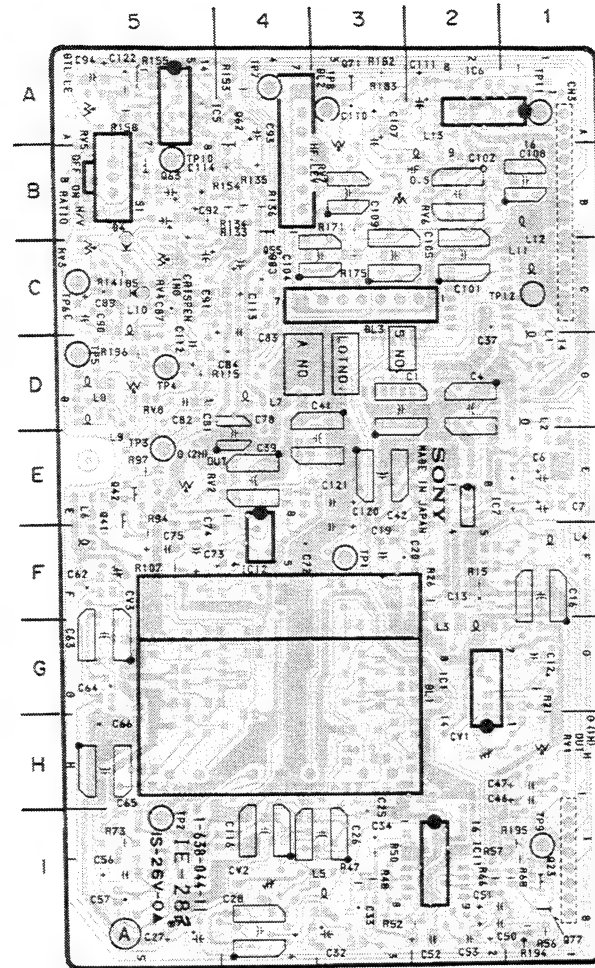
S/N J : 30001 through 30040
UC: 10001 through 10060
EK: 40001 through 40050

IE-28

IE-28

IE-28(1-638-044-11)

CN2 H-1	Q7 F-2	Q57 B-4
CN3 B-1	Q8 F-2	Q58 B-5
	Q9 F-3	Q59 B-5
CV1 H-2	Q10 E-3	Q61 B-5
CV2 I-4	Q11 I-3	Q62 A-4
CV3 F-5	Q12 H-3	Q63 B-5
	Q13 G-3	Q64 A-4
	Q14 G-3	Q65 C-3
D1 A-2	Q15 G-3	Q66 C-4
D2 I-3	Q16 I-3	Q67 B-1
D3 E-5	Q17 I-4	Q68 B-2
D4 B-5	Q18 I-5	Q69 B-3
D5 C-5	Q19 I-4	Q70 B-4
	Q21 I-3	Q71 A-3
DL1 G-2	Q22 I-3	Q72 A-3
DL2 A-3	Q23 I-1	Q73 B-3
DL3 C-3	Q24 C-1	Q74 A-3
	Q25 I-1	Q75 A-2
IC1 G-2	Q26 I-1	Q76 A-1
IC5 A-5	Q27 I-2	Q77 I-1
IC6 A-2	Q28 I-5	
IC7 E-2	Q29 I-5	RV1 H-1
IC8 C-1	Q30 I-5	RV2 E-5
IC9 C-3	Q31 I-5	RV3 C-5
IC10 I-2	Q32 I-5	RV4 C-5
IC11 I-2	Q33 H-5	RV5 A-5
IC12 F-4	Q34 H-5	RV6 B-2
IC13 C-5	Q35 G-5	RV7 B-3
	Q36 G-4	RV8 D-5
L1 D-1	Q37 G-5	
L2 D-1	Q38 G-5	S1 B-5
L3 G-2	Q39 G-5	
L4 F-1	Q41 E-5	TP1 F-3
L5 I-3	Q42 E-5	TP2 I-5
L6 E-5	Q43 E-5	TP3 E-5
L7 D-4	Q44 E-4	TP4 D-5
L8 D-5	Q45 F-4	TP5 D-5
L9 E-5	Q46 F-4	TP6 C-5
L10 C-5	Q47 I-1	TP7 A-4
L11 C-1	Q48 C-4	TP8 A-3
L12 B-1	Q49 D-5	TP9 I-1
L13 A-2	Q50 E-5	TP10 B-5
	Q51 D-5	TP11 A-1
Q1 E-2	Q52 C-5	TP12 C-1
Q2 E-2	Q53 C-5	
Q3 F-1	Q54 C-5	
Q4 G-1	Q55 C-4	
Q5 G-2	Q56 B-4	
Q6 F-2		



1-638-044-11 SOLDERING SIDE

IE-28(1-638-044-11)

CN2 H-1	Q7 F-2	Q57 B-4
CN3 B-1	Q8 F-2	Q58 B-5
	Q9 F-3	Q59 B-5
CV1 H-2	Q10 E-3	Q61 B-5
CV2 I-4	Q11 I-3	Q62 A-4
CV3 F-5	Q12 H-3	Q63 B-5
	Q13 G-3	Q64 A-4
	Q14 G-3	Q65 C-3
D1 A-2	Q15 G-3	Q66 C-4
D2 I-3	Q16 I-3	Q67 B-1
D3 E-5	Q17 I-4	Q68 B-2
D4 B-5	Q18 I-5	Q69 B-3
D5 C-5	Q19 I-4	Q70 B-4
	Q21 I-3	Q71 A-3
DL1 G-2	Q22 I-3	Q72 A-3
DL2 A-3	Q23 I-1	Q73 B-3
DL3 C-3	Q24 C-1	Q74 A-3
	Q25 I-1	Q75 A-2
IC1 G-2	Q26 I-1	Q76 A-1
IC5 A-5	Q27 I-2	Q77 I-1
IC6 A-2	Q28 I-5	
IC7 E-2	Q29 I-5	RV1 H-1
IC8 C-1	Q30 I-5	RV2 E-5
IC9 C-3	Q31 I-5	RV3 C-5
IC10 I-2	Q32 I-5	RV4 C-5
IC11 I-2	Q33 H-5	RV5 A-5
IC12 F-4	Q34 H-5	RV6 B-2
IC13 C-5	Q35 G-5	RV7 B-3
	Q36 G-4	RV8 D-5
L1 D-1	Q37 G-5	
L2 D-1	Q38 G-5	S1 B-5
L3 G-2	Q39 G-5	
L4 F-1	Q41 E-5	TP1 F-3
L5 I-3	Q42 E-5	TP2 I-5
L6 E-5	Q43 E-5	TP3 E-5
L7 D-4	Q44 E-4	TP4 D-5
L8 D-5	Q45 F-4	TP5 D-5
L9 E-5	Q46 F-4	TP6 C-5
L10 C-5	Q47 I-1	TP7 A-4
L11 C-1	Q48 C-4	TP8 A-3
L12 B-1	Q49 D-5	TP9 I-1
L13 A-2	Q50 E-5	TP10 B-5
	Q51 D-5	TP11 A-1
Q1 E-2	Q52 C-5	TP12 C-1
Q2 E-2	Q53 C-5	
Q3 F-1	Q54 C-5	
Q4 G-1	Q55 C-4	
Q5 G-2	Q56 B-4	
Q6 F-2		

IE-28 BOARD

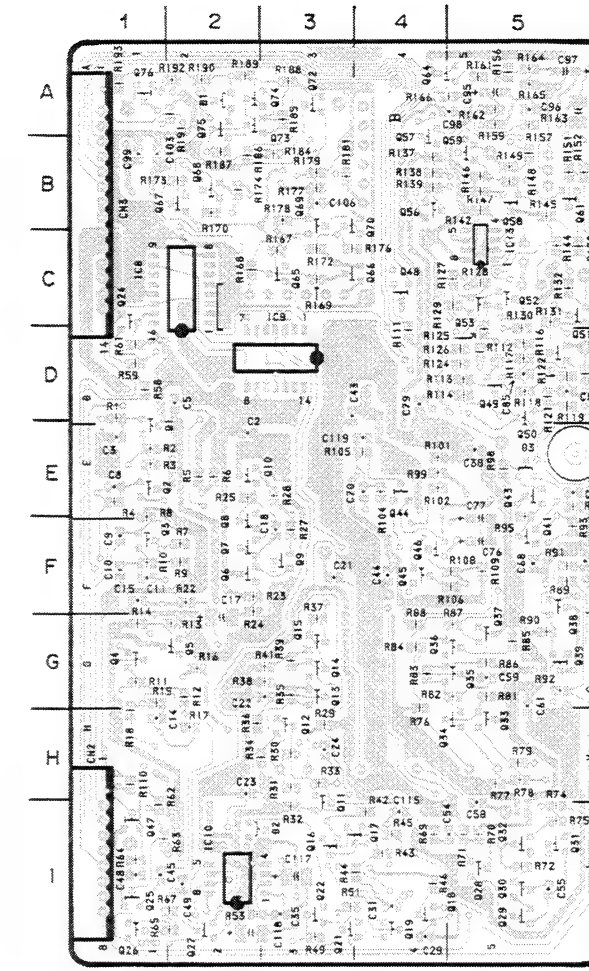
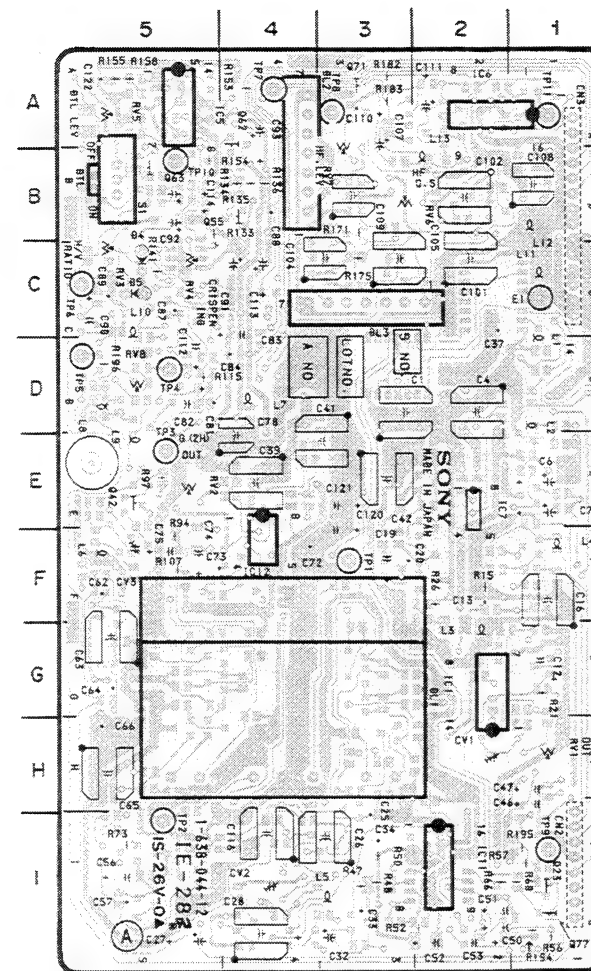
S/N J; 30041 and higher
UC; 10061 and higher
EK; 40051 and higher

IE-28

IE-28

IE-28(1-638-044-12)

CN2	H-1	Q5	G-2	Q55	B-5
CN3	B-1	Q6	F-2	Q56	B-4
		Q7	F-2	Q57	B-4
CV1	H-2	Q8	F-2	Q58	B-5
CV2	I-4	Q9	F-3	Q59	B-5
CV3	F-5	Q10	E-3	Q61	B-5
		Q11	I-3	Q62	A-4
D1	A-2	Q12	H-3	Q63	B-5
D2	I-3	Q13	G-3	Q64	A-4
D3	E-5	Q14	G-3	Q65	C-3
D4	B-5	Q15	G-3	Q66	C-4
D5	C-5	Q16	I-3	Q67	B-1
		Q17	I-4	Q68	B-2
DL1	G-2	Q18	I-5	Q69	B-3
DL2	A-3	Q19	I-4	Q70	B-4
DL3	C-3	Q21	I-3	Q71	A-3
		Q22	I-3	Q72	A-3
E1	C-1	Q23	I-1	Q73	B-3
		Q24	C-1	Q74	A-3
IC1	G-2	Q25	I-1	Q75	A-2
IC5	A-5	Q26	I-1	Q76	A-1
IC6	A-2	Q27	I-2	Q77	I-1
IC7	E-2	Q28	I-5		
IC8	C-1	Q29	I-5	RV1	H-1
IC9	C-3	Q30	I-5	RV2	E-5
IC10	I-2	Q31	I-5	RV3	C-5
IC11	I-2	Q32	I-5	RV4	C-5
IC12	F-4	Q33	H-5	RV5	A-5
IC13	C-5	Q34	H-5	RV6	B-2
		Q35	G-5	RV7	B-3
		Q36	G-4	RV8	D-5
L1	D-1	Q37	G-5		
L2	D-1	Q38	G-5	S1	B-5
L3	G-2	Q39	G-5		
L4	F-1	Q41	F-5	TP1	F-3
L5	I-3	Q42	E-5	TP2	I-5
L6	F-5	Q43	E-5	TP3	E-5
L7	D-4	Q44	E-4	TP4	D-5
L8	D-5	Q45	F-4	TP5	D-5
L9	E-5	Q46	F-4	TP6	C-5
L10	C-5	Q47	I-1	TP7	A-4
L11	C-1	Q48	C-4	TP8	A-3
L12	B-1	Q49	D-5	TP9	I-1
L13	A-2	Q50	E-5	TP10	B-5
		Q51	D-5	TP11	A-1
Q1	E-2	Q52	C-5		
Q2	E-2	Q53	C-5		
Q3	F-1	Q54	C-5		
Q4	G-1				



1-638-044-12 SOLDERING SIDE

IE-28(1-638-044-12)

CN2	H-1	Q5	G-2	Q55	B-5
CN3	B-1	Q6	F-2	Q56	B-4
		Q7	F-2	Q57	B-4
CV1	H-2	Q8	F-2	Q58	B-5
CV2	I-4	Q9	F-3	Q59	B-5
CV3	F-5	Q10	E-3	Q61	B-5
		Q11	I-3	Q62	A-4
D1	A-2	Q12	H-3	Q63	B-5
D2	I-3	Q13	G-3	Q64	A-4
D3	E-5	Q14	G-3	Q65	C-3
D4	B-5	Q15	G-3	Q66	C-4
D5	C-5	Q16	I-3	Q67	B-1
		Q17	I-4	Q68	B-2
DL1	G-2	Q18	I-5	Q69	B-3
DL2	A-3	Q19	I-4	Q70	B-4
DL3	C-3	Q21	I-3	Q71	A-3
		Q22	I-3	Q72	A-3
E1	C-1	Q23	I-1	Q73	B-3
		Q24	C-1	Q74	A-3
IC1	G-2	Q25	I-1	Q75	A-2
IC5	A-5	Q26	I-1	Q76	A-1
IC6	A-2	Q27	I-2	Q77	I-1
IC7	E-2	Q28	I-5		
IC8	C-1	Q29	I-5	RV1	H-1
IC9	C-3	Q30	I-5	RV2	E-5
IC10	I-2	Q31	I-5	RV3	C-5
IC11	I-2	Q32	I-5	RV4	C-5
IC12	F-4	Q33	H-5	RV5	A-5
IC13	C-5	Q34	H-5	RV6	B-2
		Q35	G-5	RV7	B-3
		Q36	G-4	RV8	D-5
L1	D-1	Q37	G-5		
L2	D-1	Q38	G-5	S1	B-5
L3	G-2	Q39	G-5		
L4	F-1	Q41	F-5	TP1	F-3
L5	I-3	Q42	E-5	TP2	I-5
L6	F-5	Q43	E-5	TP3	E-5
L7	D-4	Q44	E-4	TP4	D-5
L8	D-5	Q45	F-4	TP5	D-5
L9	E-5	Q46	F-4	TP6	C-5
L10	C-5	Q47	I-1	TP7	A-4
L11	C-1	Q48	C-4	TP8	A-3
L12	B-1	Q49	D-5	TP9	I-1
L13	A-2	Q50	E-5	TP10	B-5
		Q51	D-5	TP11	A-1
Q1	E-2	Q52	C-5		
Q2	E-2	Q53	C-5		
Q3	F-1	Q54	C-5		
Q4	G-1				

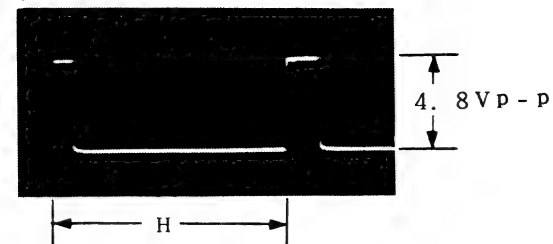
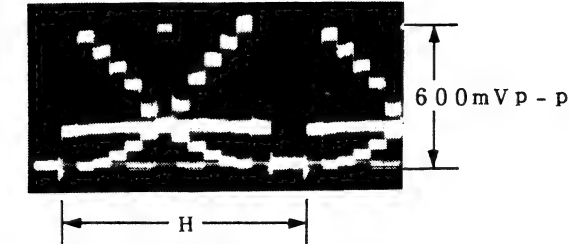
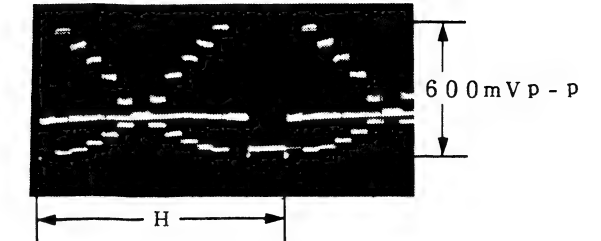
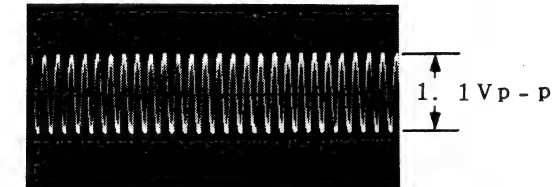
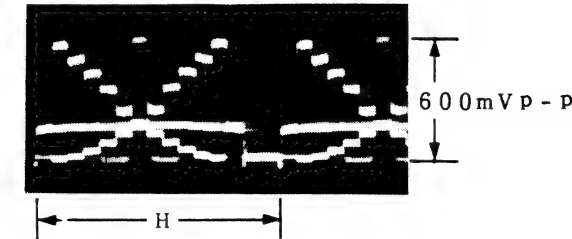
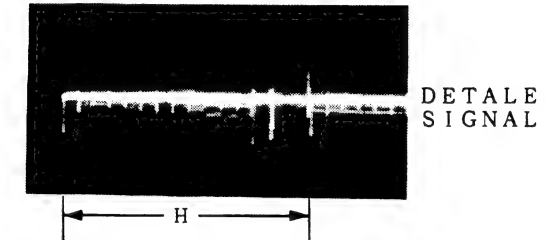
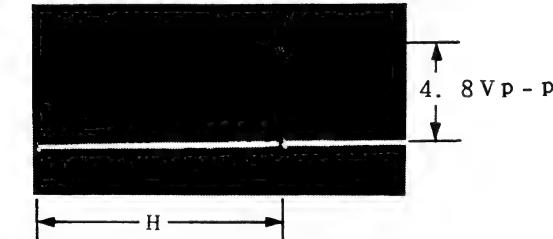
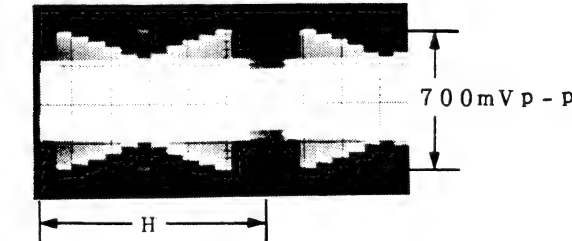
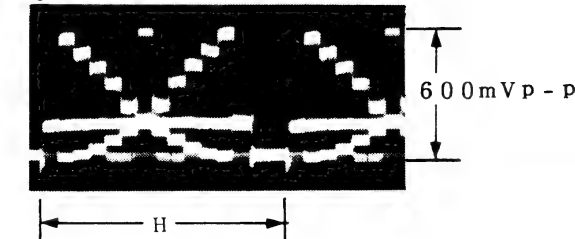
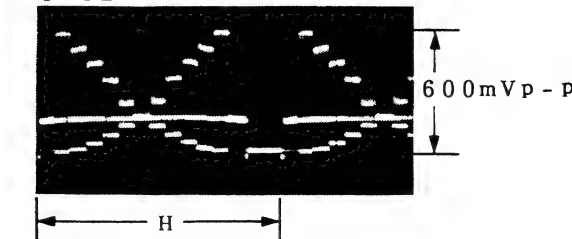
IE-28 BOARD

注意:

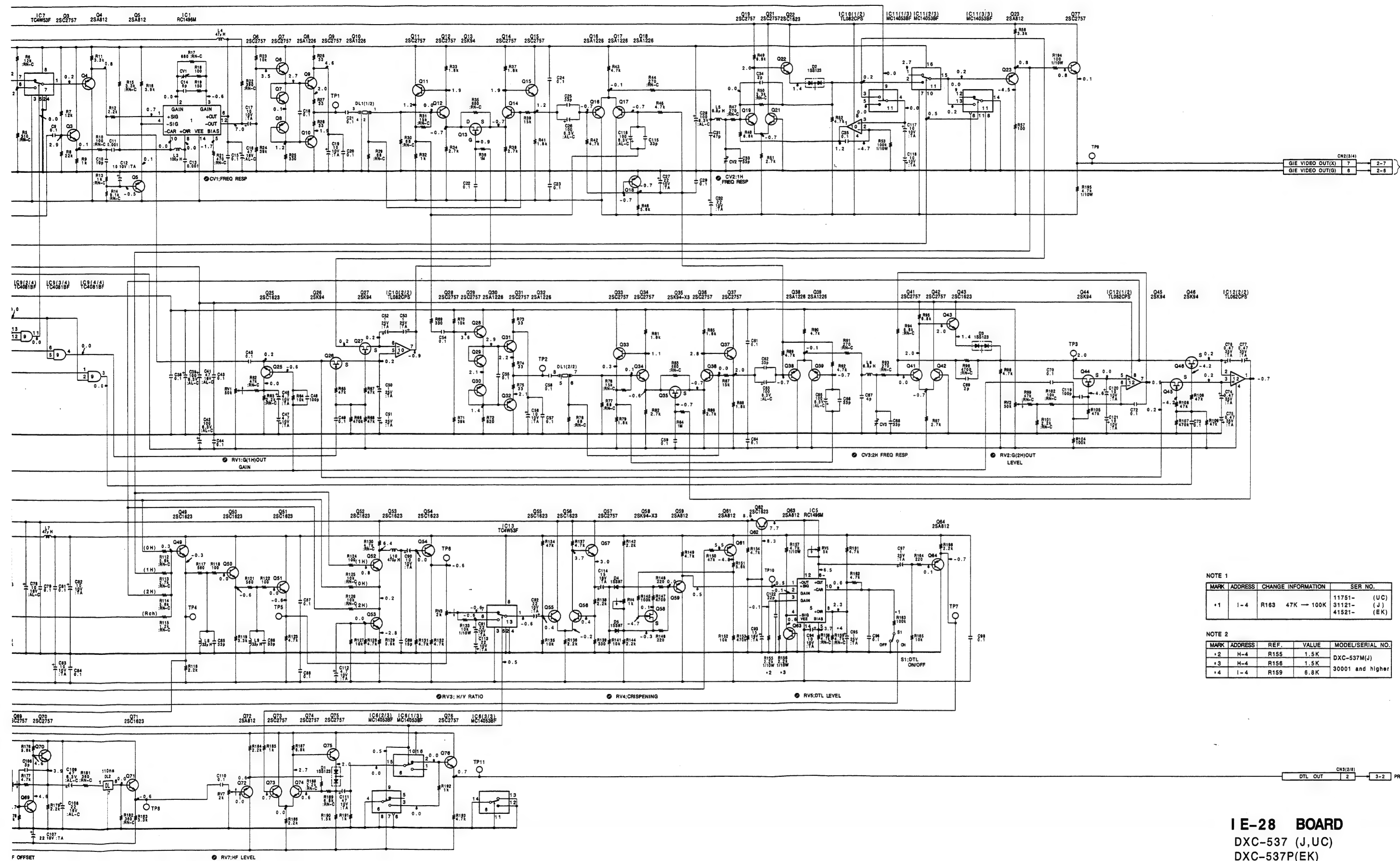
1. DC電圧はデジタル電圧計による値。
 2. 波形写真、及びDC電圧は下記条件での測定。
 - ・本機にCA-537を接続する。
 - ・グレースケールチャートを撮像し、波形モニターにて、ビデオ出力の白レベルが 100 IREになる様にレンズ絞りをセットする。
- ・OUTPUT : CAM
 ・GAIN : 0dB
 ・WHITE BAL : PRE
 ・SHUTTER : OFF
 ・ZEBRA MARKER : OFF OFF
 ・PHASE : 0°

NOTE:

1. All voltage are DC, measured with a digital voltmeter.
 2. All waveforms are taken and DC voltage is measured in condition below.
 - ・Connect the camera adapter CA-537 to the camera.
 - ・Shoot the grayscale chart. Adjust lens iris so that a white level is 100IRE on the waveform monitor.
- ・OUTPUT : CAM
 ・GAIN : 0dB
 ・WHITE BAL : PRE
 ・SHUTTER : OFF
 ・ZEBRA MARKER : OFF OFF
 ・PHASE : 0°

CN2-3pin
P BLKGCN3-4pin
RTP3
2H DELAYED GCN2-1pin
28MHzIC1-1pin
IC1 G INTP11
DTLCN2-4pin
CLPIC1-12pin
IC1 G OUTCN3-6pin
GTP9
G IE VIDEO

A



C-34

C-35

B-7 DXC537-IE28/M

SG-171 BOARD

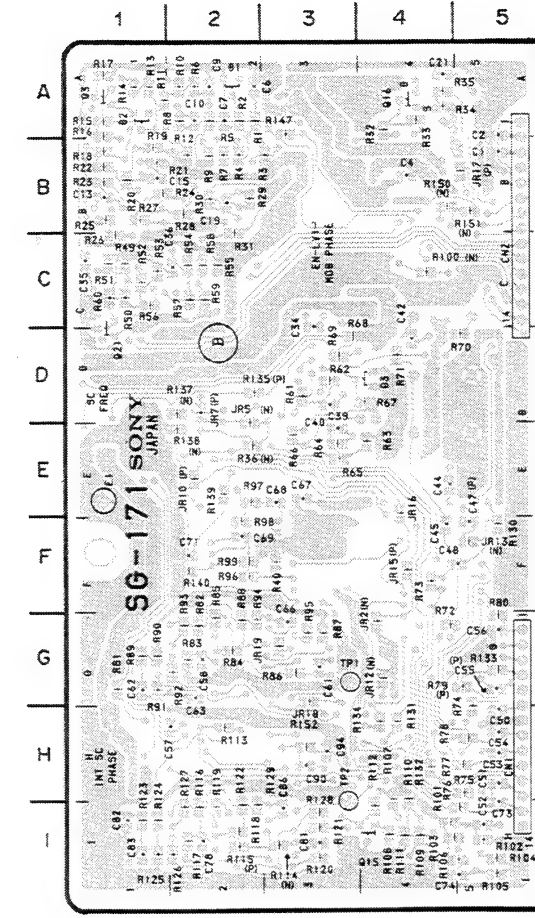
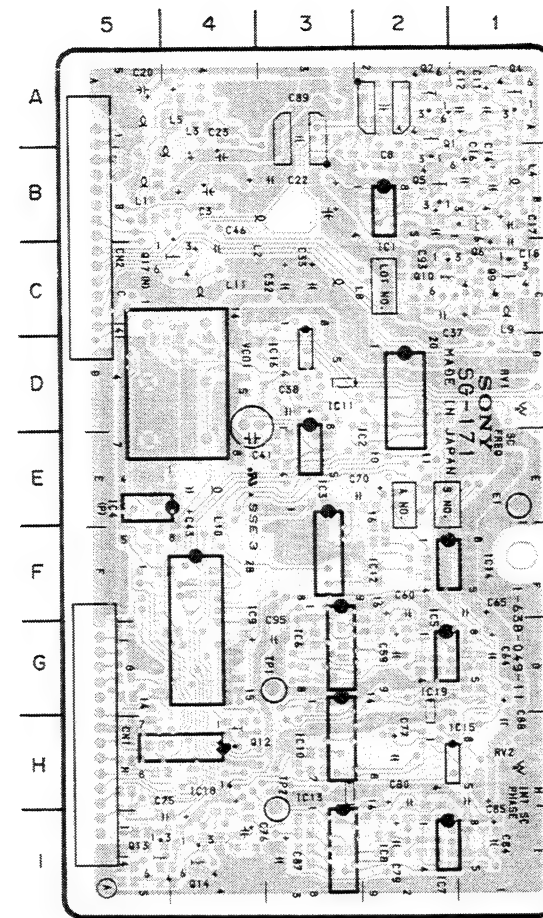
S/N J; 30001 through 30590
UC; 10001 through 10840
EK; 40001 through 40690

SG-171

SG-171

SG-171(1-638-049-11)

CN1	H-5	Q1	A-1
CN2	C-5	Q2	A-2
		Q3	A-1
D1	A-2	Q4	A-1
D2	A-1	Q5	B-2
D3	D-4	Q6	C-1
		Q9	C-1
E1	E-1	Q10	C-2
		Q12	H-4
		Q13	I-5
IC1	C-2	Q14	I-4
IC2	E-2	Q15	I-4
IC3	E-3	Q16	A-4
IC4	E-5	Q17	C-5
IC5	F-2	Q21	D-1
IC6	G-3		
IC7	I-2	RV1	D-1
IC8	I-2		
IC9	F-4	TP1	G-3
IC10	H-3	TP2	H-3
IC11	D-3		
IC12	F-2		
IC13	H-3		
IC14	F-1		
IC15	H-1		
IC16	D-3		
IC18	H-4		
IC19	G-2		
L1	B-5		
L2	C-3		
L3	A-4		
L4	B-1		
L5	A-4		
L8	C-2		
L9	C-1		
L10	E-4		
L11	C-4		



SG-171(1-638-049-11)

CN1	H-5	Q1	A-1
CN2	C-5	Q2	A-2
		Q3	A-1
D1	A-2	Q4	A-1
D2	A-1	Q5	B-2
D3	D-4	Q6	C-1
		Q9	C-1
E1	E-1	Q10	C-2
		Q12	H-4
		Q13	I-5
IC1	C-2	Q14	I-4
IC2	E-2	Q15	I-4
IC3	E-3	Q16	A-4
IC4	E-5	Q17	C-5
IC5	F-2	Q21	D-1
IC6	G-3		
IC7	I-2	RV1	D-1
IC8	I-2		
IC9	F-4	TP1	G-3
IC10	H-3	TP2	H-3
IC11	D-3		
IC12	F-2		
IC13	H-3		
IC14	F-1		
IC15	H-1		
IC16	D-3		
IC18	H-4		
IC19	G-2		
L1	B-5		
L2	C-3		
L3	A-4		
L4	B-1		
L5	A-4		
L8	C-2		
L9	C-1		
L10	E-4		
L11	C-4		

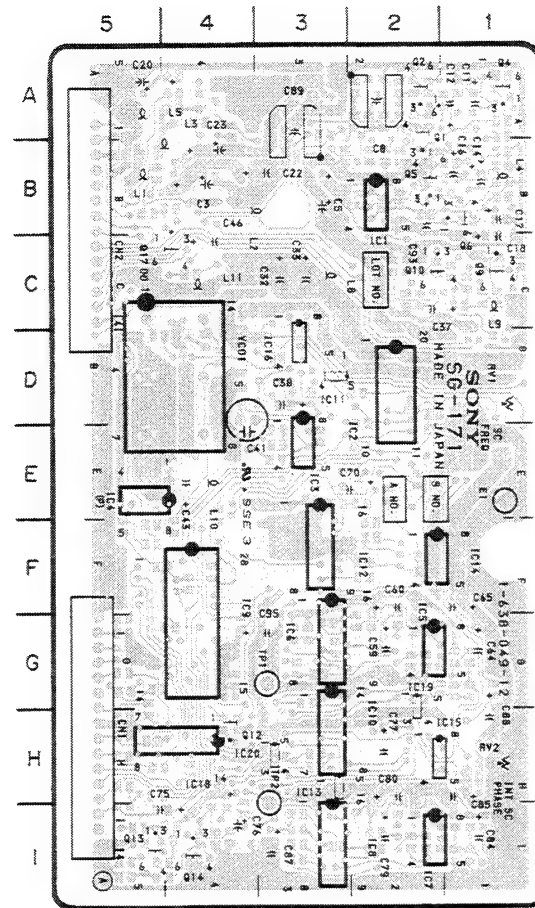
1-638-049-11 SOLDERING SIDE

SG-171 BOARD

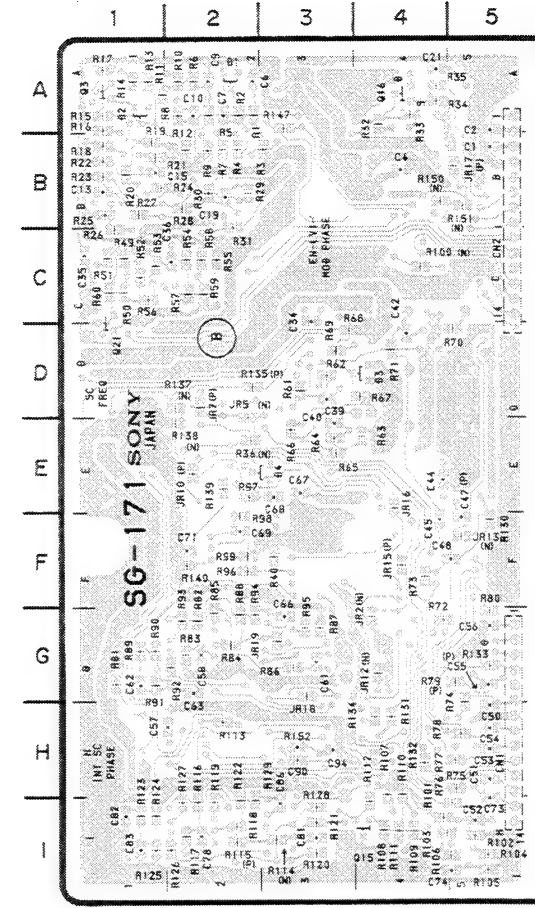
S/N J : 30591 through 31370
UC : 10841 through 12200
EK : 40691 through 42390

SG-171(1-638-049-12)

CN1	H-5	Q1	A-1
CN2	C-5	Q2	A-2
		Q3	A-1
D1	A-2	Q4	A-1
D2	A-1	Q5	B-2
D3	D-4	Q6	C-1
D4	E-3	Q9	C-1
		Q10	C-2
E1	E-1	Q12	H-4
		Q13	I-5
		Q14	I-4
		Q15	I-4
		Q16	A-4
		Q17	C-5
		Q21	D-1
IC1	C-2		
IC2	E-2		
IC3	E-3		
IC4	E-5		
IC5	F-2		
IC6	G-3		
IC7	I-2	RV1	D-1
IC8	I-2		
IC9	F-4	TP1	G-3
IC10	H-2	TP2	H-3
IC11	D-3		
IC12	F-2		
IC13	H-3		
IC14	F-1		
IC15	H-1		
IC16	D-3		
IC18	H-4		
IC19	G-2		
IC20	H-4		
L1	B-5		
L2	C-4		
L3	A-4		
L4	B-1		
L5	A-4		
L8	C-2		
L9	C-1		
L10	E-4		
L11	C-4		



C-37(b)



1-638-049-12 SOLDERING SIDE

SG-171(1-638-049-12)

CN1	H-5	Q1	A-1
CN2	C-5	Q2	A-2
		Q3	A-1
D1	A-2	Q4	A-1
D2	A-1	Q5	B-2
D3	D-4	Q6	C-1
D4	E-3	Q9	C-1
		Q10	C-2
E1	E-1	Q12	H-4
		Q13	I-5
		Q14	I-4
		Q15	I-4
		Q16	A-4
		Q17	C-5
		Q21	D-1
IC1	C-2		
IC2	E-2		
IC3	E-3		
IC4	E-5		
IC5	F-2		
IC6	G-3		
IC7	I-2	RV1	D-1
IC8	I-2		
IC9	F-4	TP1	G-3
IC10	H-2	TP2	H-3
IC11	D-3		
IC12	F-2		
IC13	H-3		
IC14	F-1		
IC15	H-1		
IC16	D-3		
IC18	H-4		
IC19	G-2		
IC20	H-4		
L1	B-5		
L2	C-4		
L3	A-4		
L4	B-1		
L5	A-4		
L8	C-2		
L9	C-1		
L10	E-4		
L11	C-4		

C-38(b)

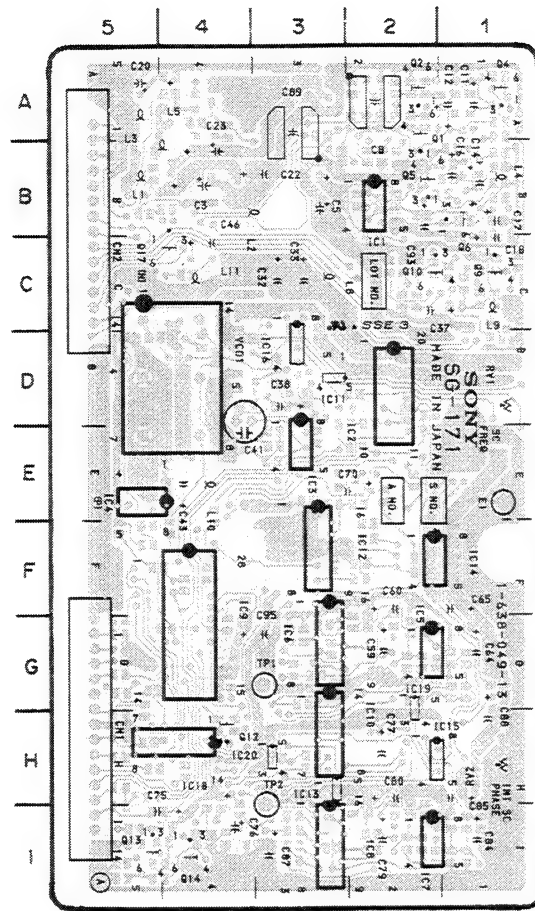
DXC-537 (J,U,C)
DXC-537P (E,K)

SG-171 BOARD

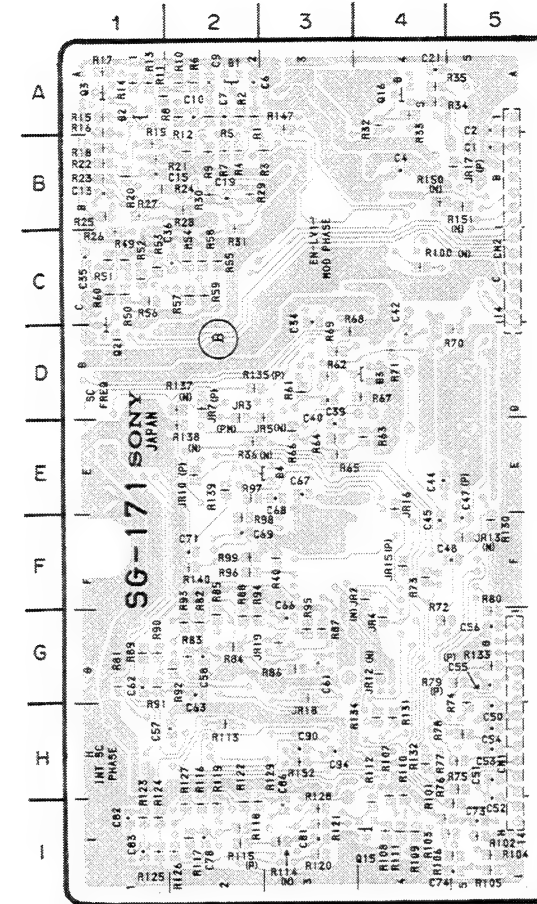
S/N J ; 31371 and higher
UC; 12201 and higher
EK; 42391 and higher

SG-171(1-638-049-13)

CN1	H-5	Q1	A-2
CN2	C-5	Q2	A-2
		Q3	A-1
D1	A-2	Q4	A-1
D2	A-1	Q5	B-2
D3	D-4	Q6	C-1
D4	E-3	Q9	C-1
		Q10	C-2
E1	E-1	Q12	H-4
		Q13	I-5
		Q14	I-4
IC1	C-2	Q15	I-4
IC2	E-2	Q16	A-4
IC3	E-3	Q17	C-5
IC4	E-5	Q21	D-1
IC5	F-2		
IC6	G-3	RV1	D-1
IC7	I-2	RV2	H-1
IC8	I-2		
IC9	F-4		
IC10	H-2	TP1	G-3
IC11	D-3	TP2	H-3
IC12	F-2		
IC13	H-3		
IC14	F-1		
IC15	H-1		
IC16	D-3		
IC18	H-4		
IC19	G-2		
IC20	H-4		
L1	B-5		
L2	C-3		
L3	A-5		
L4	B-1		
L5	A-4		
L8	C-2		
L9	C-1		
L10	E-4		
L11	C-4		



C-37(c)



1-638-049-13 SOLDERING SIDE

SG-171(1-638-049-13)

CN1	H-5	Q1	A-2
CN2	C-5	Q2	A-2
		Q3	A-1
D1	A-2	Q4	A-1
D2	A-1	Q5	B-2
D3	D-4	Q6	C-1
D4	E-3	Q9	C-1
		Q10	C-2
E1	E-1	Q12	H-4
		Q13	I-5
		Q14	I-4
IC1	C-2	Q15	I-4
IC2	E-2	Q16	A-4
IC3	E-3	Q17	C-5
IC4	E-5	Q21	D-1
IC5	F-2		
IC6	G-3	RV1	D-1
IC7	I-2	RV2	H-1
IC8	I-2		
IC9	F-4		
IC10	H-2	TP1	G-3
IC11	D-3	TP2	H-3
IC12	F-2		
IC13	H-3		
IC14	F-1		
IC15	H-1		
IC16	D-3		
IC18	H-4		
IC19	G-2		
IC20	H-4		
L1	B-5		
L2	C-3		
L3	A-5		
L4	B-1		
L5	A-4		
L8	C-2		
L9	C-1		
L10	E-4		
L11	C-4		

C-38(c)

DXC-537 (J,UC)
DXC-537P (EK)

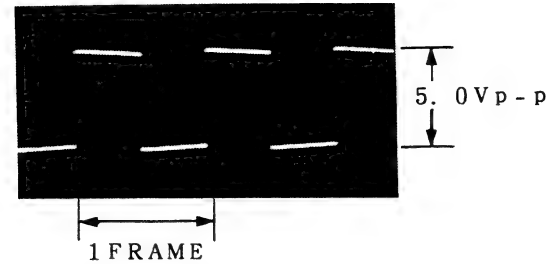
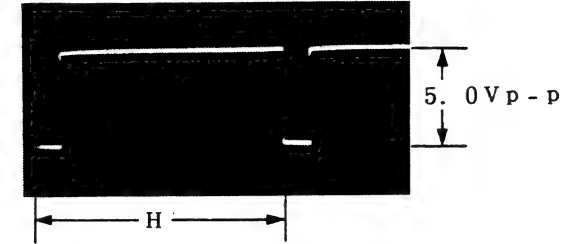
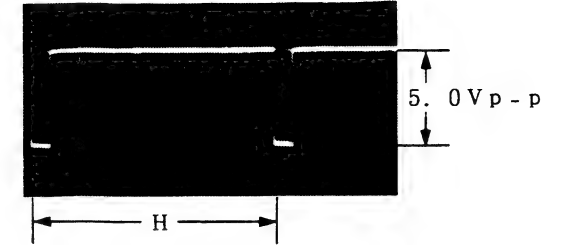
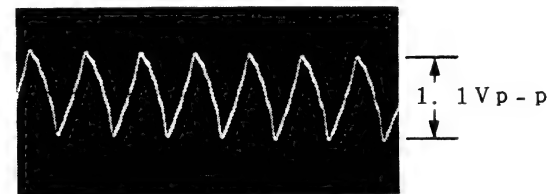
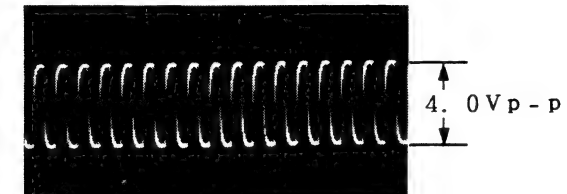
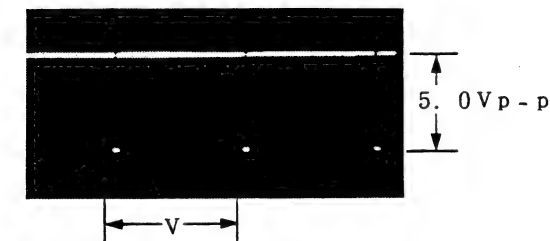
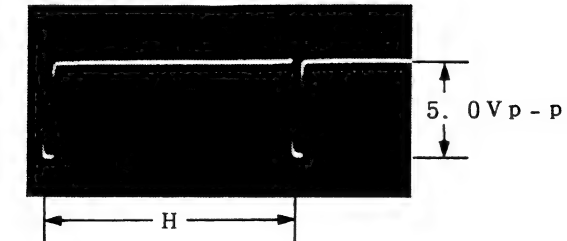
SG-171 BOARD

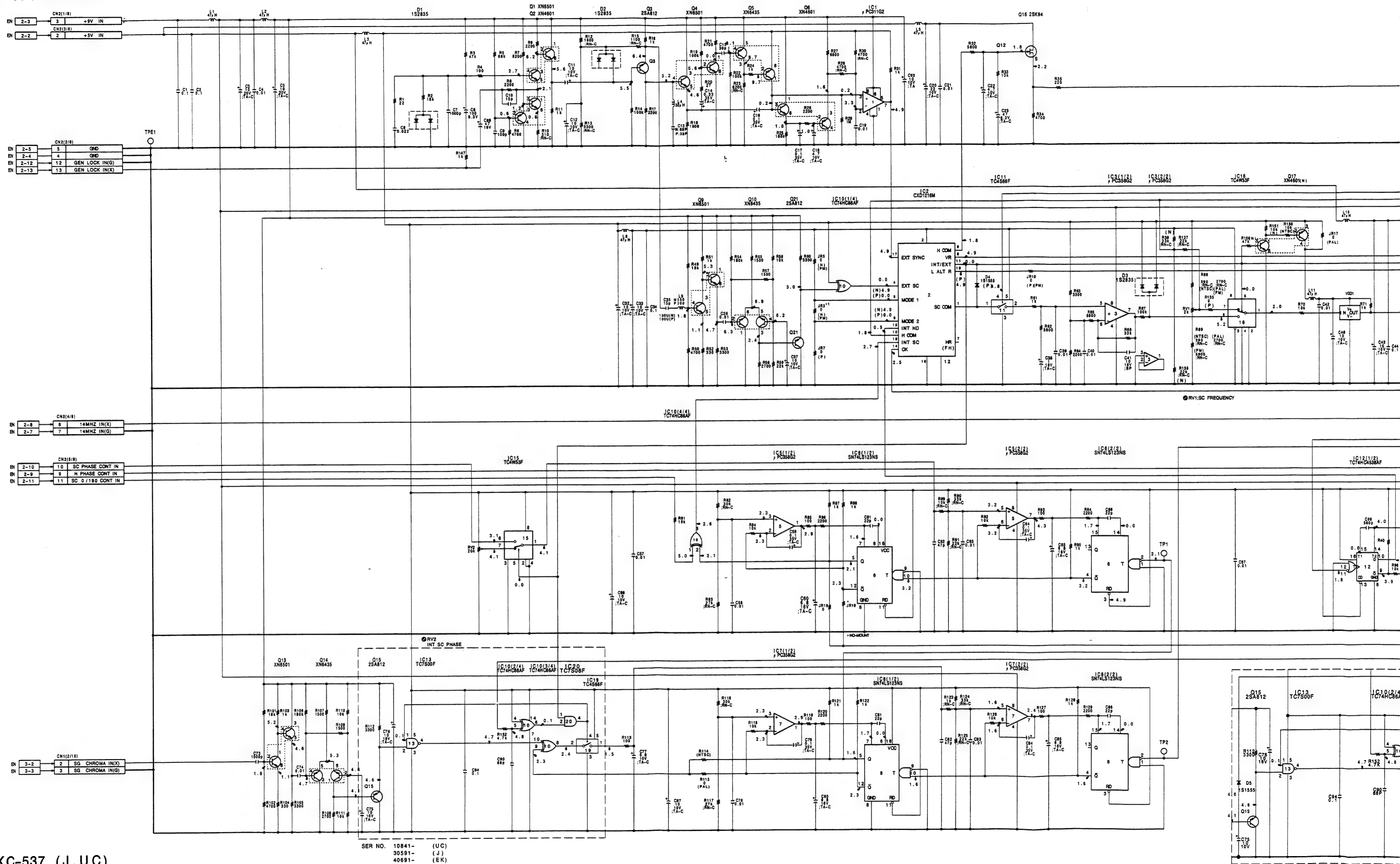
注意:

1. DC電圧はデジタル電圧計による値。
2. 波形写真、及びDC電圧は下記条件での測定。
 - ・本機にCA-537を接続する。
 - ・OUTPUT : BARS
 - ・GAIN : 0dB
 - ・WHITE BAL : PRE
 - ・SHUTTER : OFF
 - ・ZEBRA MARKER : OFF OFF
 - ・PHASE : 0°

NOTE:

1. All voltage are DC, measured with a digital voltmeter.
2. All waveforms are taken and DC voltage is measured in condition below.
 - ・Connect the camera adapter CA-537 to the camera.
 - ・OUTPUT : BARS
 - ・GAIN : 0dB
 - ・WHITE BAL : PRE
 - ・SHUTTER : OFF
 - ・ZEBRA MARKER : OFF OFF
 - ・PHASE : 0°

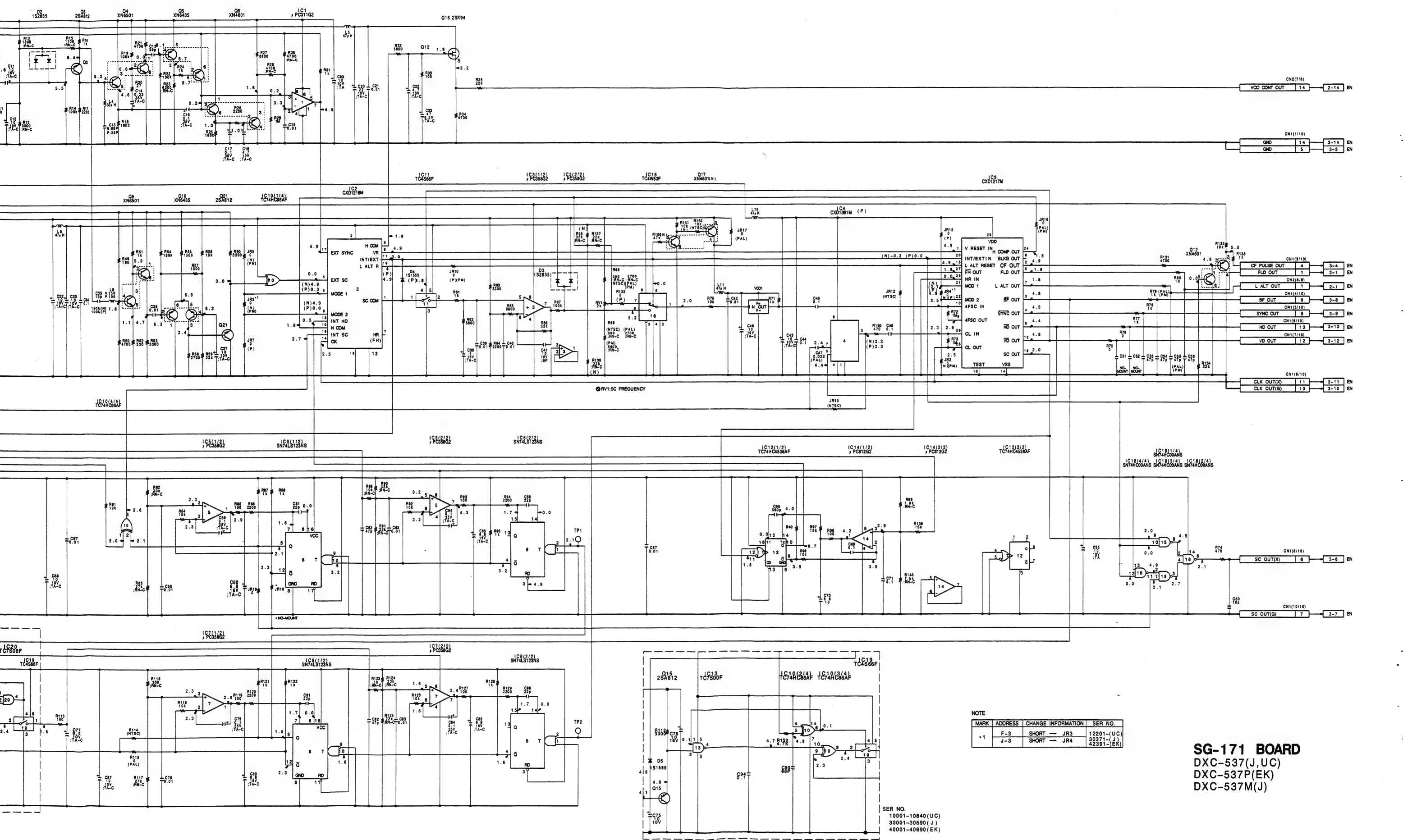
CN1-1pin
FLDCN1-13pin
HDCN1-9pin
SYNCCN2-8pin
14MHzCN1-6pin
SCCN1-12pin
VDCN1-8pin
BF

SG-171 BOARD

DXC-537 (J, U C)
DXC-537P (E K)

C-43

C-44



NOTE

MARK	ADDRESS	CHANGE INFORMATION	SER. NO.
*1	F-3	SHORT -- JR3	12201-(UC)
	J-3	SHORT -- JR4	30371-(J)
			42391-(EK)

SG-171 BOARD
DXC-537(J,UC)
DXC-537P(EK)
DXC-537M(J)

SER. NO.
10001-10840(UC)
30001-30590(J)
40001-40890(EK)

C-44

C-45

B-7 DXC537-SG171/M

E

F

G

H

I

J

K

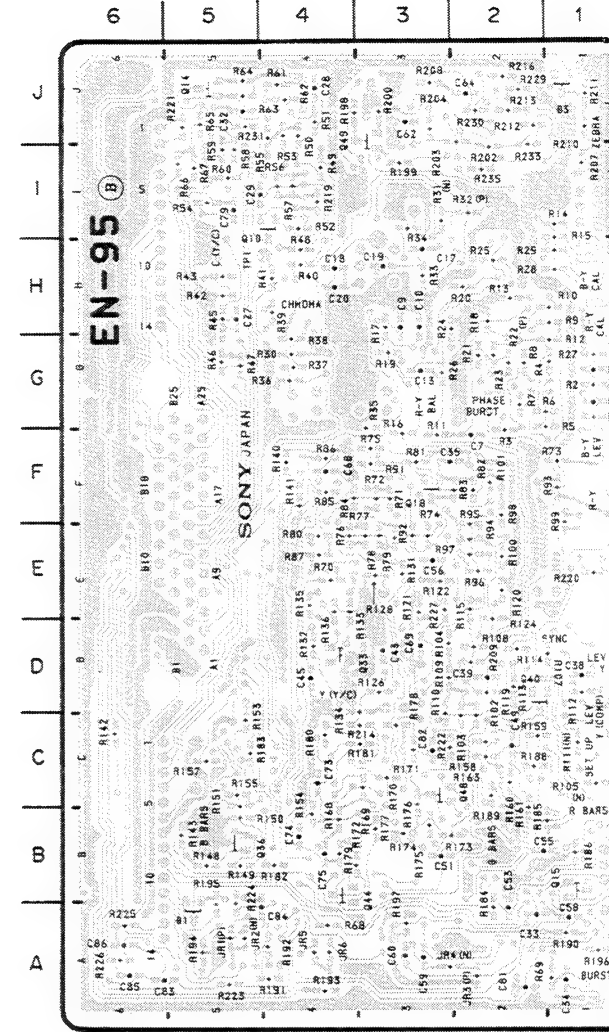
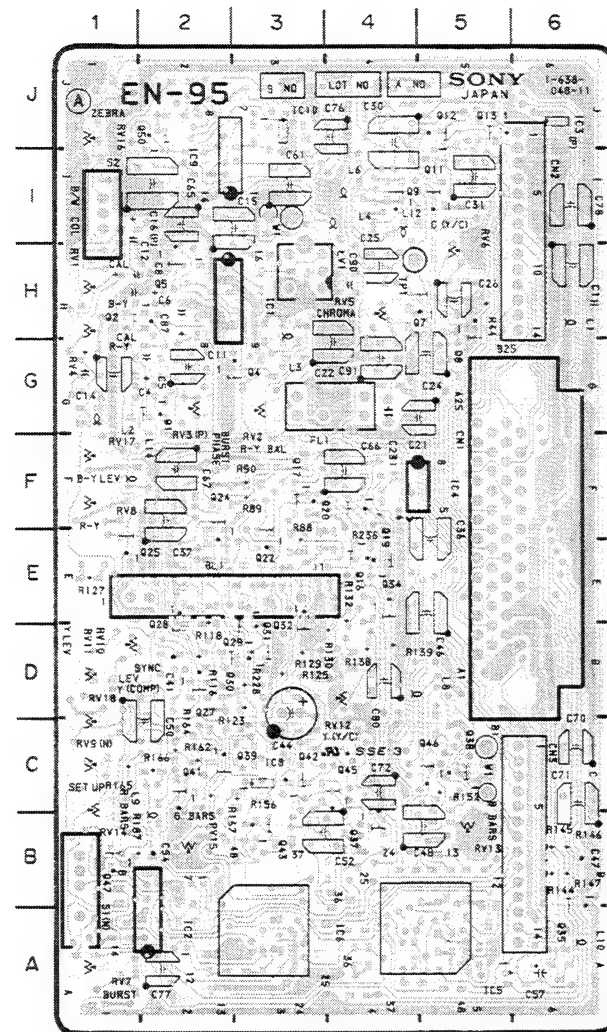
L

EN-95 BOARD

S/N J : 30001 through 30040
 UC : 10001 through 10060
 EK : 40001 through 40050

EN-95(1-638-048-11)

CN1	F-5	Q20	F-3
		Q22	F-2
D1	E-2	Q24	F-2
D3	J-1	Q25	E-2
		Q27	D-2
DL1	E-2	Q28	D-2
		Q29	D-3
FL1	F-3	Q30	D-2
		Q31	D-3
IC1	H-3	Q32	D-3
IC2	A-2	Q33	D-3
IC4	F-5	Q34	E-4
IC5	A-5	Q35	A-6
IC6	A-4	Q36	B-5
IC8	C-3	Q37	B-4
IC9	I-2	Q38	O-5
IC10	J-3	Q39	C-3
		Q40	D-2
LV1	H-4	Q41	C-2
		Q42	C-3
L1	G-6	Q43	B-3
L2	G-1	Q44	B-3
L3	G-3	Q45	C-4
L4	I-4	Q46	C-5
L6	I-4	Q47	B-1
L8	D-5	Q48	C-2
L9	C-1	Q49	J-4
L10	A-6	Q50	J-2
L12	L-4		
L14	F-2	RV1	H-1
		RV2	F-3
Q1	G-2	RV4	G-1
Q2	H-1	RV5	H-4
Q4	G-3	RV6	I-5
Q5	H-2	RV7	A-1
Q7	H-4	RV8	F-1
Q8	G-5	RV9	C-1
Q9	I-4	RV10	D-1
Q10	I-5	RV11	D-1
Q11	I-5	RV12	C-4
Q12	J-5	RV13	B-5
Q13	J-5	RV14	B-1
Q14	J-5	RV15	B-2
Q15	B-1	RV16	J-1
Q16	E-4	RV17	F-1
Q17	F-3		
Q18	F-3	S1	A-1
Q19	E-4	S2	I-2
		TP1	H-4



1-638-048-11 SOLDERING SIDE

EN-95(1-638-048-11)

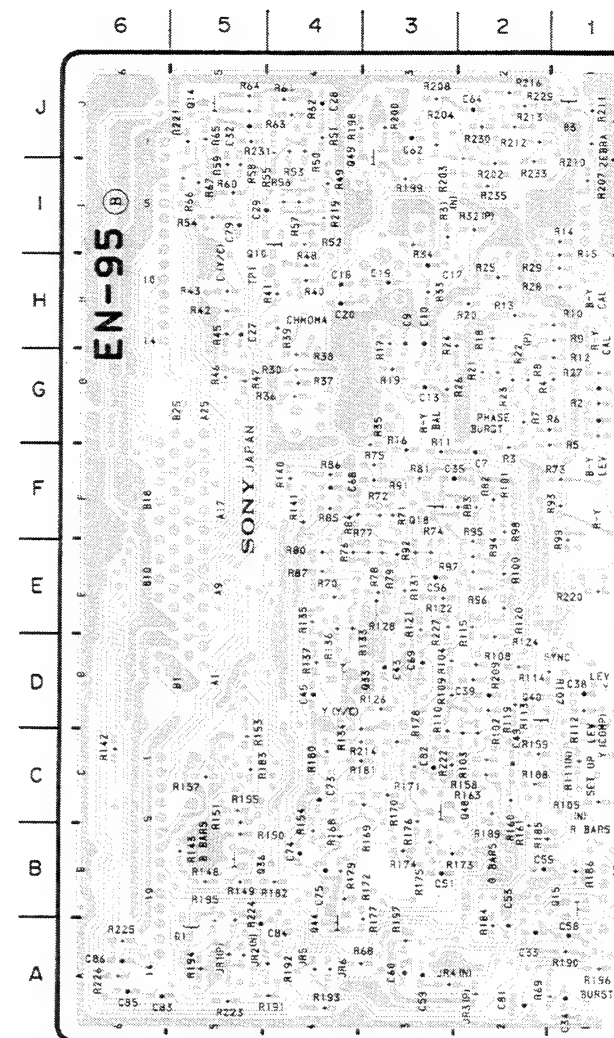
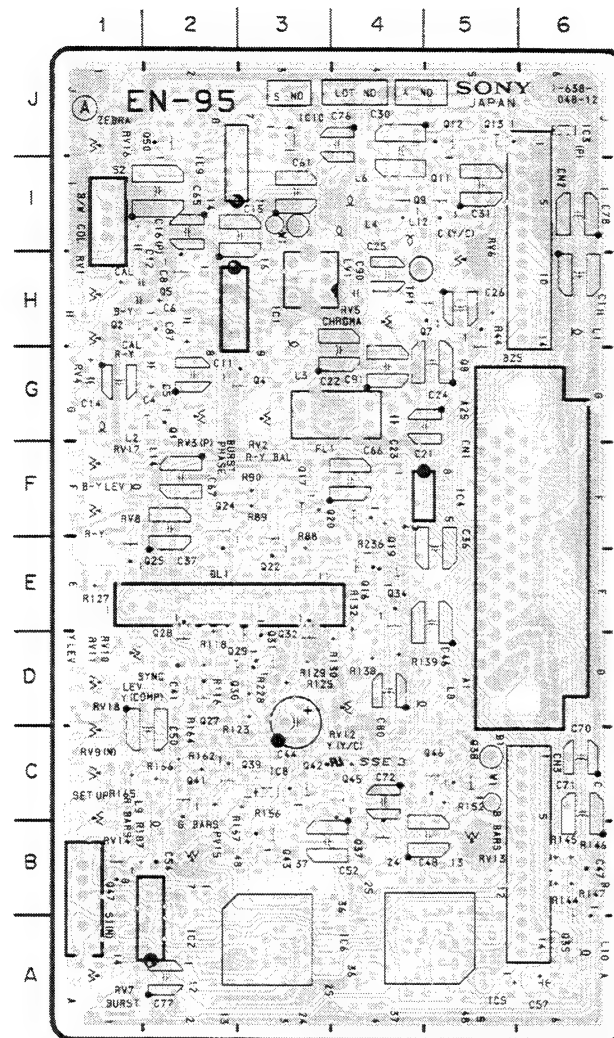
CN1	F-5	Q20	F-3
		Q22	F-2
D1	E-2	Q24	F-2
D3	J-1	Q25	E-2
		Q27	D-2
DL1	E-2	Q28	D-2
		Q29	D-3
FL1	F-3	Q30	D-2
		Q31	D-3
IC1	H-3	Q32	D-3
IC2	A-2	Q33	D-3
IC4	F-5	Q34	E-4
IC5	A-5	Q35	A-6
IC6	A-4	Q36	B-5
IC8	C-3	Q37	B-4
IC9	I-2	Q38	C-5
IC10	J-3	Q39	C-3
		Q40	D-2
LV1	H-4	Q41	C-2
		Q42	C-3
L1	G-6	Q43	B-3
L2	G-1	Q44	B-3
L3	G-3	Q45	C-4
L4	I-4	Q46	C-5
L6	I-4	Q47	B-1
L8	D-5	Q48	C-2
L9	C-1	Q49	J-4
L10	A-6	Q50	J-2
L12	L-4		
L14	F-2	RV1	H-1
		RV2	F-3
Q1	G-2	RV4	G-1
Q2	H-1	RV5	H-4
Q4	G-3	RV6	I-5
Q5	H-2	RV7	A-1
Q7	H-4	RV8	F-1
Q8	G-5	RV9	C-1
Q9	I-4	RV10	D-1
Q10	I-5	RV11	D-1
Q11	I-5	RV12	C-4
Q12	J-5	RV13	B-5
Q13	J-5	RV14	B-1
Q14	J-5	RV15	B-2
Q15	B-1	RV16	J-1
Q16	E-4	RV17	F-1
Q17	F-3		
Q18	F-3	S1	A-1
Q19	E-4	S2	I-2
		TP1	H-4

EN-95 BOARD

S/N J : 30041 through 30590
 UC : 10061 through 10840
 EK : 40051 through 40690

EN-95(1-638-048-12)

CN1	F-5	Q20	F-3
		Q22	F-2
D1	E-2	Q24	F-2
D3	J-1	Q25	E-2
		Q27	D-2
DL1	E-2	Q28	D-2
		Q29	D-3
FL1	F-3	Q30	D-2
		Q31	D-3
IC1	H-3	Q32	D-3
IC2	A-2	Q33	D-3
IC4	F-5	Q34	E-4
IC5	A-5	Q35	A-6
IC6	A-4	Q36	B-5
IC8	C-3	Q37	B-4
IC9	I-2	Q38	C-5
IC10	J-3	Q39	C-3
		Q40	D-2
LV1	H-4	Q41	C-2
		Q42	C-3
		Q43	B-3
L1	G-6	Q44	B-3
L2	G-1	Q45	C-4
L3	G-3	Q46	C-5
L4	I-4	Q47	B-1
L6	I-4	Q48	C-2
L8	D-5	Q49	J-4
L9	C-1	Q50	J-2
L10	A-6		
L12	L-4		
L14	F-2	RV1	H-1
		RV2	F-3
Q1	G-2	RV4	G-1
Q2	H-1	RV5	H-4
Q4	G-3	RV6	I-5
Q5	H-2	RV7	A-1
Q7	H-4	RV8	F-1
Q8	G-5	RV9	C-1
Q9	I-4	RV10	D-1
Q10	I-5	RV11	D-1
Q11	I-5	RV12	C-4
Q12	J-5	RV13	B-5
Q13	J-5	RV14	B-1
Q14	J-5	RV15	B-2
Q15	B-1	RV16	J-1
Q16	E-4	RV17	F-1
Q17	F-3		
Q18	F-3	S1	A-1
Q19	E-4	S2	I-2
		TP1	H-4



1-638-048-12 SOLDERING SIDE

EN-95(1-638-048-12)

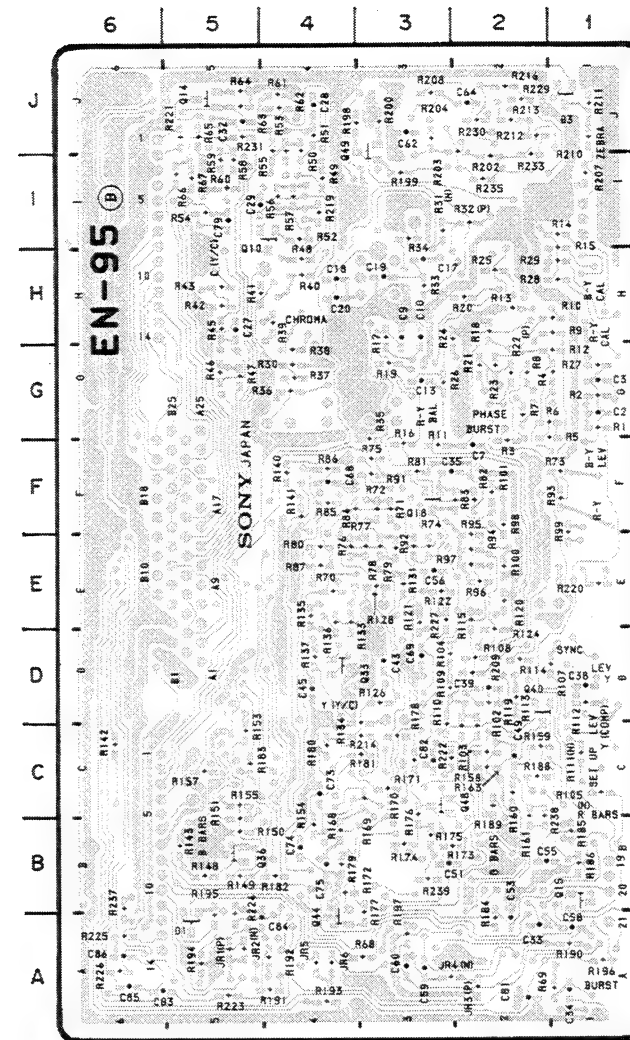
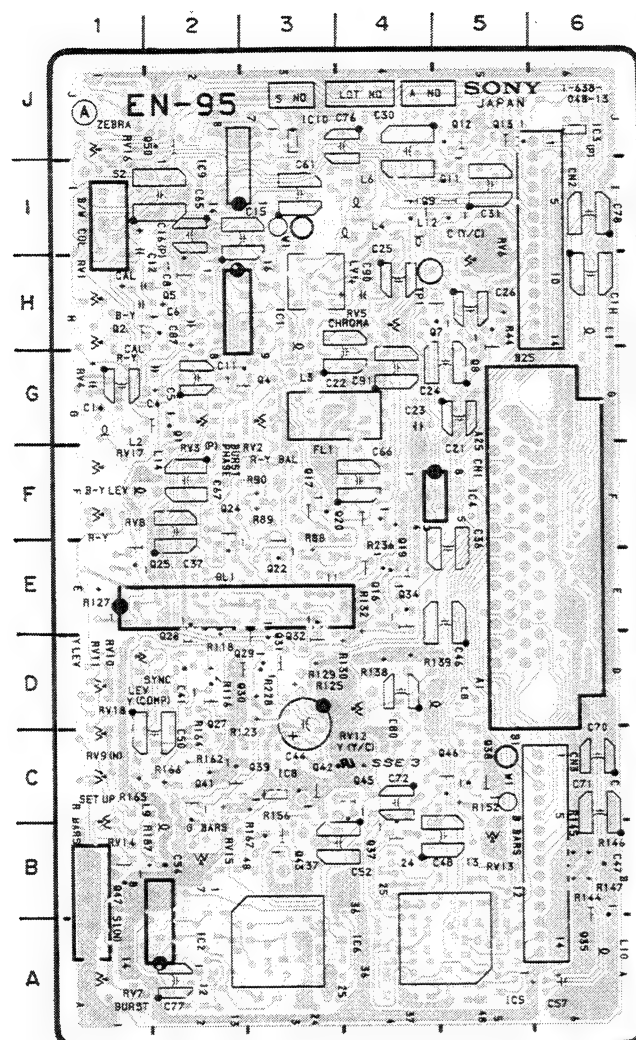
CN1	F-5	Q20	F-3
		Q22	F-2
D1	E-2	Q24	F-2
D3	J-1	Q25	E-2
		Q27	D-2
DL1	E-2	Q28	D-2
		Q29	D-3
FL1	F-3	Q30	D-2
		Q31	D-3
IC1	H-3	Q32	D-3
IC2	A-2	Q33	D-3
IC4	F-5	Q34	E-4
IC5	A-5	Q35	A-6
IC6	A-4	Q36	B-5
IC8	C-3	Q37	B-4
IC9	I-2	Q38	C-5
IC10	J-3	Q39	C-3
		Q40	D-2
LV1	H-4	Q41	C-2
		Q42	C-3
		Q43	B-3
L1	G-6	Q44	B-3
L2	G-1	Q45	C-4
L3	G-3	Q46	C-5
L4	I-4	Q47	B-1
L6	I-4	Q48	C-2
L8	D-5	Q49	J-4
L9	C-1	Q50	J-2
L10	A-6		
L12	L-4		
L14	F-2	RV1	H-1
		RV2	F-3
Q1	G-2	RV4	G-1
Q2	H-1	RV5	H-4
Q4	G-3	RV6	I-5
Q5	H-2	RV7	A-1
Q7	H-4	RV8	F-1
Q8	G-5	RV9	C-1
Q9	I-4	RV10	D-1
Q10	I-5	RV11	D-1
Q11	I-5	RV12	C-4
Q12	J-5	RV13	B-5
Q13	J-5	RV14	B-1
Q14	J-5	RV15	B-2
Q15	B-1	RV16	J-1
Q16	E-4	RV17	F-1
Q17	F-3		
Q18	F-3	S1	A-1
Q19	E-4	S2	I-2
		TP1	H-4

EN-95 BOARD

S/N J ; 30591 through 31370
UC; 10841 through 12200
EK; 40691 through 42390

EN-95(1-638-048-13)

CN1	F-5	Q20	F-3
CN2	I-6	Q22	E-3
CN3	C-6	Q24	F-2
		Q25	E-2
D1	A-5	Q27	D-2
D3	J-1	Q28	D-2
		Q29	D-3
DL1	E-2	Q30	D-2
		Q31	D-3
FL1	F-3	Q32	D-3
		Q33	D-3
IC1	H-3	Q34	E-4
IC2	A-2	Q35	A-6
IC3	J-6	Q36	B-5
IC4	F-5	Q37	B-4
IC5	A-5	Q38	C-5
IC6	A-4	Q39	C-3
IC8	C-3	Q40	D-2
IC9	I-2	Q41	C-2
IC10	J-3	Q42	C-3
		Q43	B-3
LV1	H-4	Q44	A-4
		Q45	C-4
L1	H-6	Q46	C-5
L2	G-1	Q47	B-1
L3	G-3	Q48	C-2
L4	I-4	Q49	J-4
L6	I-4	Q50	J-2
L8	D-5		
L9	C-1	RV1	H-1
L10	A-6	RV2	F-3
L12	L-4	RV3	F-2
L14	F-2	RV4	G-1
		RV5	H-4
Q1	G-2	RV6	I-5
Q2	H-1	RV7	A-1
Q4	G-3	RV8	F-1
Q5	H-2	RV9	C-1
Q7	H-4	RV10	D-1
Q8	G-5	RV11	D-1
Q9	I-4	RV12	C-4
Q10	I-5	RV13	B-5
Q11	I-5	RV14	B-1
Q12	J-5	RV15	B-2
Q13	J-5	RV16	J-1
Q14	J-5	RV17	F-1
Q15	B-1	RV18	D-1
Q16	E-4		
Q17	F-3	S1	A-1
Q18	F-3	S2	I-1
Q19	E-4		
		TP1	H-4



1-638-048-13 SOLDERING SIDE

EN-95(1-638-048-13)

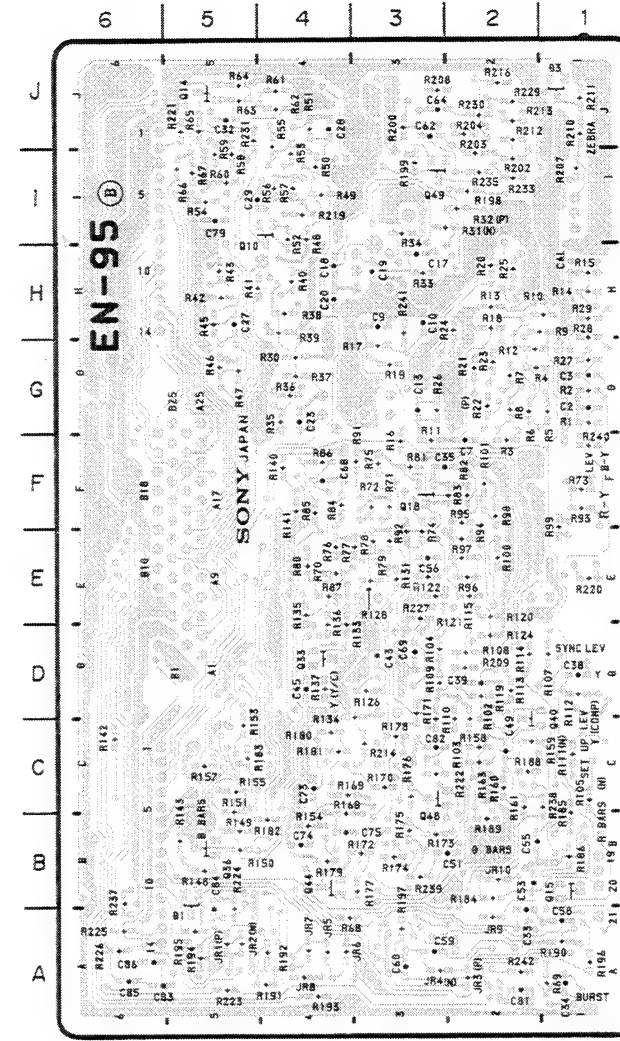
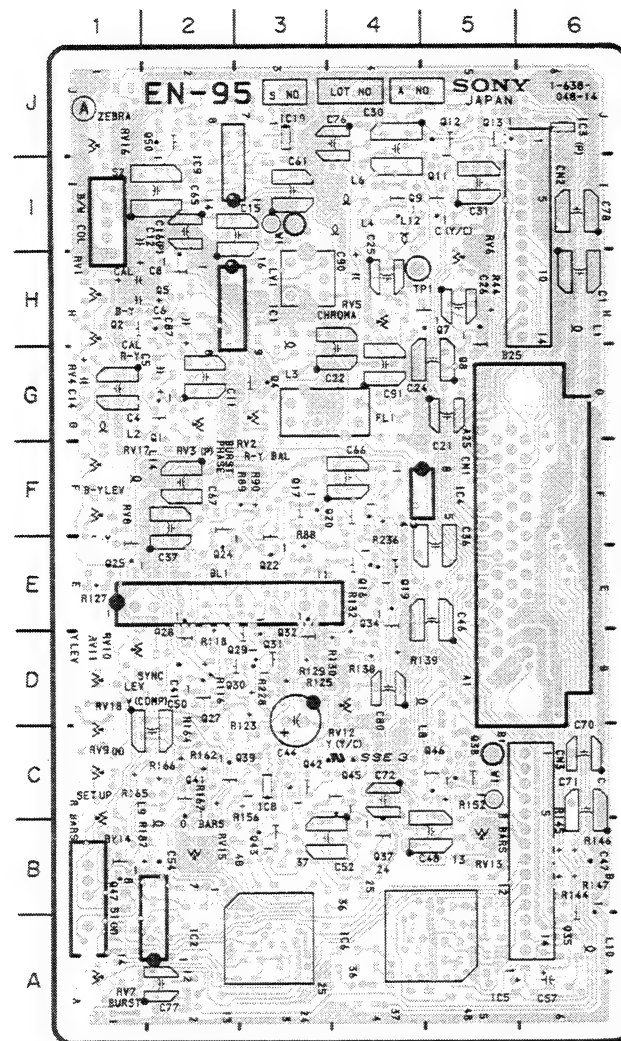
CN1	F-5	Q20	F-3
CN2	I-6	Q22	E-3
CN3	C-6	Q24	F-2
		Q25	E-2
D1	A-5	Q27	D-2
D3	J-1	Q28	D-2
		Q29	D-3
DL1	E-2	Q30	D-2
		Q31	D-3
FL1	F-3	Q32	D-3
		Q33	D-3
IC1	H-3	Q34	E-4
IC2	A-2	Q35	A-6
IC3	J-6	Q36	B-5
IC4	F-5	Q37	B-4
IC5	A-5	Q38	C-5
IC6	A-4	Q39	C-3
IC8	C-3	Q40	D-2
IC9	I-2	Q41	C-2
IC10	J-3	Q42	C-3
		Q43	B-3
LV1	H-4	Q44	A-4
		Q45	C-4
L1	H-6	Q46	C-5
L2	G-1	Q47	B-1
L3	G-3	Q48	C-2
L4	I-4	Q49	J-4
L6	I-4	Q50	J-2
L8	D-5		
L9	C-1	RV1	H-1
L10	A-6	RV2	F-3
L12	L-4	RV3	F-2
L14	F-2	RV4	G-1
		RV5	H-4
Q1	G-2	RV6	I-5
Q2	H-1	RV7	A-1
Q4	G-3	RV8	F-1
Q5	H-2	RV9	C-1
Q7	H-4	RV10	D-1
Q8	G-5	RV11	D-1
Q9	I-4	RV12	C-4
Q10	I-5	RV13	B-5
Q11	I-5	RV14	B-1
Q12	J-5	RV15	B-2
Q13	J-5	RV16	J-1
Q14	J-5	RV17	F-1
Q15	B-1	RV18	D-1
Q16	E-4		
Q17	F-3	S1	A-1
Q18	F-3	S2	I-1
Q19	E-4		
		TP1	H-4

EN-95 BOARD

S/N J; 31371 and higher
UC; 12201 and higher
EK; 42891 and higher

EN-95(1-638-048-14)

CN1	F-5	Q20	F-3
CN2	I-6	Q22	E-3
CN3	C-6	Q24	F-2
		Q25	E-2
D1	A-5	Q27	D-2
D3	J-1	Q28	D-2
		Q29	D-3
DL1	E-2	Q30	D-2
		Q31	D-3
FL1	F-3	Q32	D-3
		Q33	D-3
		Q34	E-4
IC1	H-3	Q35	A-6
IC2	A-2	Q36	B-5
IC3	J-6	Q37	B-4
IC4	F-5	Q38	C-5
IC5	A-5	Q39	C-3
IC6	A-4	Q40	D-2
IC8	C-3	Q41	C-2
IC9	I-2	Q42	C-3
IC10	J-3	Q43	B-3
		Q44	A-4
LV1	H-4	Q45	C-4
		Q46	C-5
L1	H-6	Q47	B-1
L2	G-1	Q48	C-2
L3	G-3	Q49	J-4
L4	I-4	Q50	J-2
L6	I-4		
L8	D-5		
L9	C-1	RV1	H-1
L10	A-6	RV2	F-3
L12	L-4	RV3	F-2
L14	F-2	RV4	G-1
		RV5	H-4
		RV6	I-5
Q1	G-2	RV7	A-1
Q2	H-1	RV8	F-1
Q4	G-3	RV9	C-1
Q5	H-2	RV10	D-1
Q7	H-4	RV11	D-1
Q8	G-5	RV12	C-4
Q9	I-4	RV13	B-5
Q10	I-5	RV14	B-1
Q11	I-5	RV15	B-2
Q12	J-5	RV16	J-1
Q13	J-5	RV17	F-1
Q14	J-5	RV18	D-1
Q15	B-1		
Q16	E-4		
Q17	F-3	S1	A-1
Q18	F-3	S2	I-1
Q19	E-4		
		TP1	H-4



1-638-048-14 SOLDERING SIDE

EN-95(1-638-048-14)

CN1	F-5	Q20	F-3
CN2	I-6	Q22	E-3
CN3	C-6	Q24	F-2
		Q25	E-2
D1	A-5	Q27	D-2
D3	J-1	Q28	D-2
		Q29	D-3
DL1	E-2	Q30	D-2
		Q31	D-3
FL1	F-3	Q32	D-3
		Q33	D-3
		Q34	E-4
IC1	H-3	Q35	A-6
IC2	A-2	Q36	B-5
IC3	J-6	Q37	B-4
IC4	F-5	Q38	C-5
IC5	A-5	Q39	C-3
IC6	A-4	Q40	D-2
IC8	C-3	Q41	C-2
IC9	I-2	Q42	C-3
IC10	J-3	Q43	B-3
		Q44	A-4
LV1	H-4	Q45	C-4
		Q46	C-5
L1	H-6	Q47	B-1
L2	G-1	Q48	C-2
L3	G-3	Q49	J-4
L4	I-4	Q50	J-2
L6	I-4		
L8	D-5		
L9	C-1	RV1	H-1
L10	A-6	RV2	F-3
L12	L-4	RV3	F-2
L14	F-2	RV4	G-1
		RV5	H-4
		RV6	I-5
Q1	G-2	RV7	A-1
Q2	H-1	RV8	F-1
Q4	G-3	RV9	C-1
Q5	H-2	RV10	D-1
Q7	H-4	RV11	D-1
Q8	G-5	RV12	C-4
Q9	I-4	RV13	B-5
Q10	I-5	RV14	B-1
Q11	I-5	RV15	B-2
Q12	J-5	RV16	J-1
Q13	J-5	RV17	F-1
Q14	J-5	RV18	D-1
Q15	B-1		
Q16	E-4		
Q17	F-3	S1	A-1
Q18	F-3	S2	I-1
Q19	E-4		
		TP1	H-4

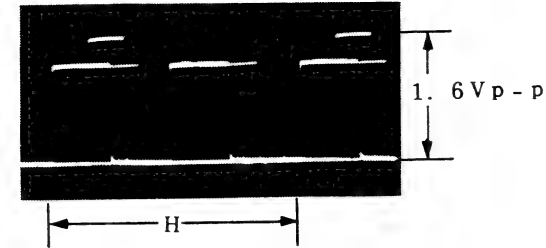
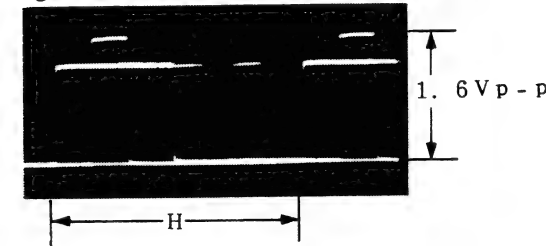
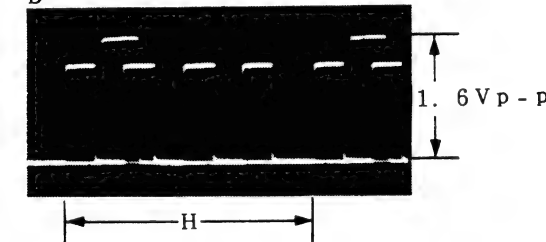
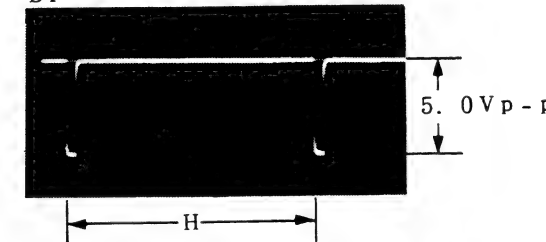
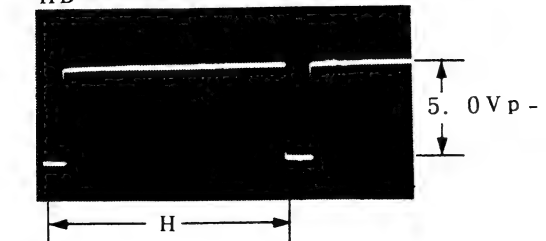
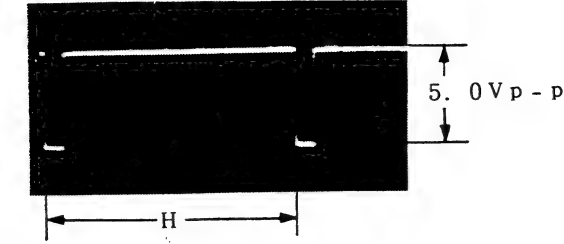
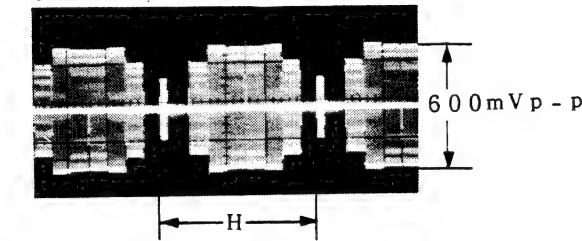
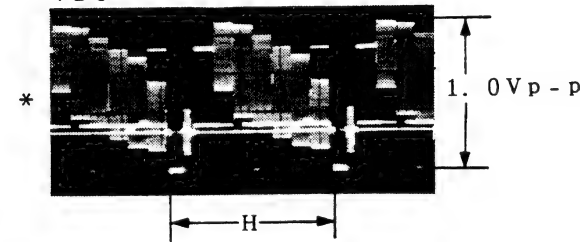
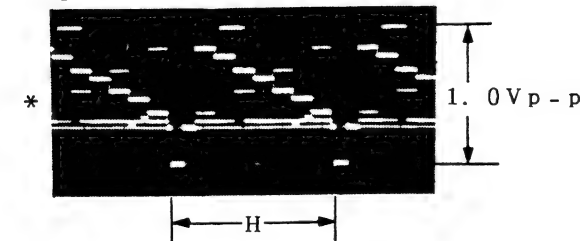
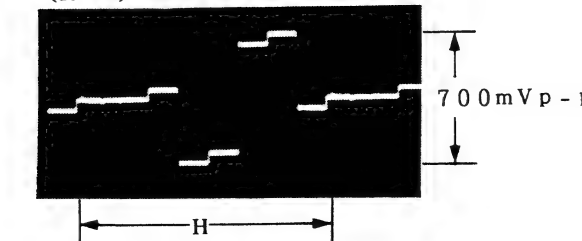
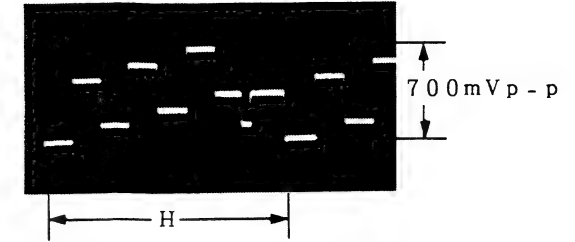
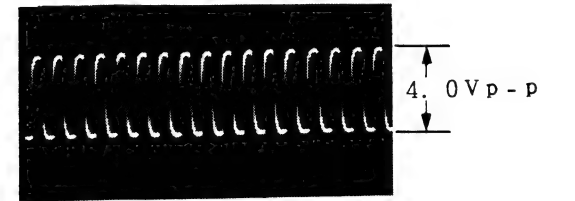
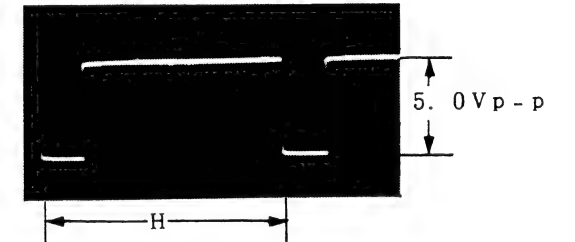
EN-95 BOARD

注意:

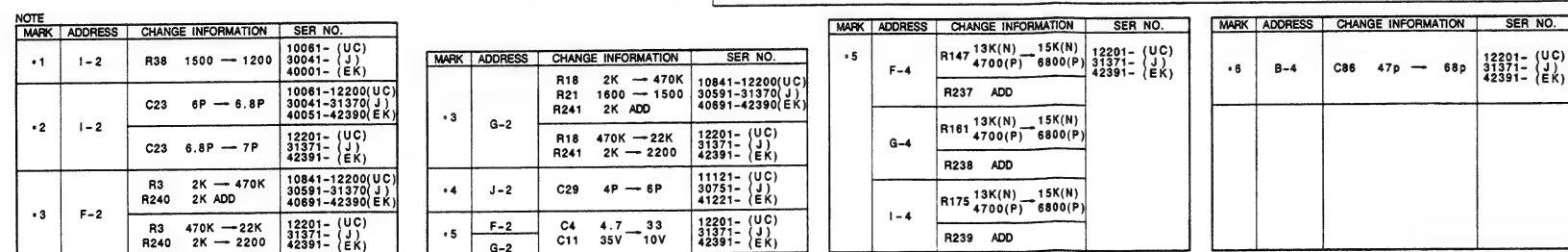
1. DC電圧はデジタル電圧計による値。
2. 波形写真、及びDC電圧は下記条件での測定。
 - 本機にCA-537を接続する。
 - OUTPUT : BARS
 - GAIN : 0dB
 - WHITE BAL : PRE
 - SHUTTER : OFF
 - ZEBRA MARKER : OFF OFF
 - PHASE : 0°
3. *はUCモデルの波形です。Jモデルのものは、セットアップレベルがゼロになっています。

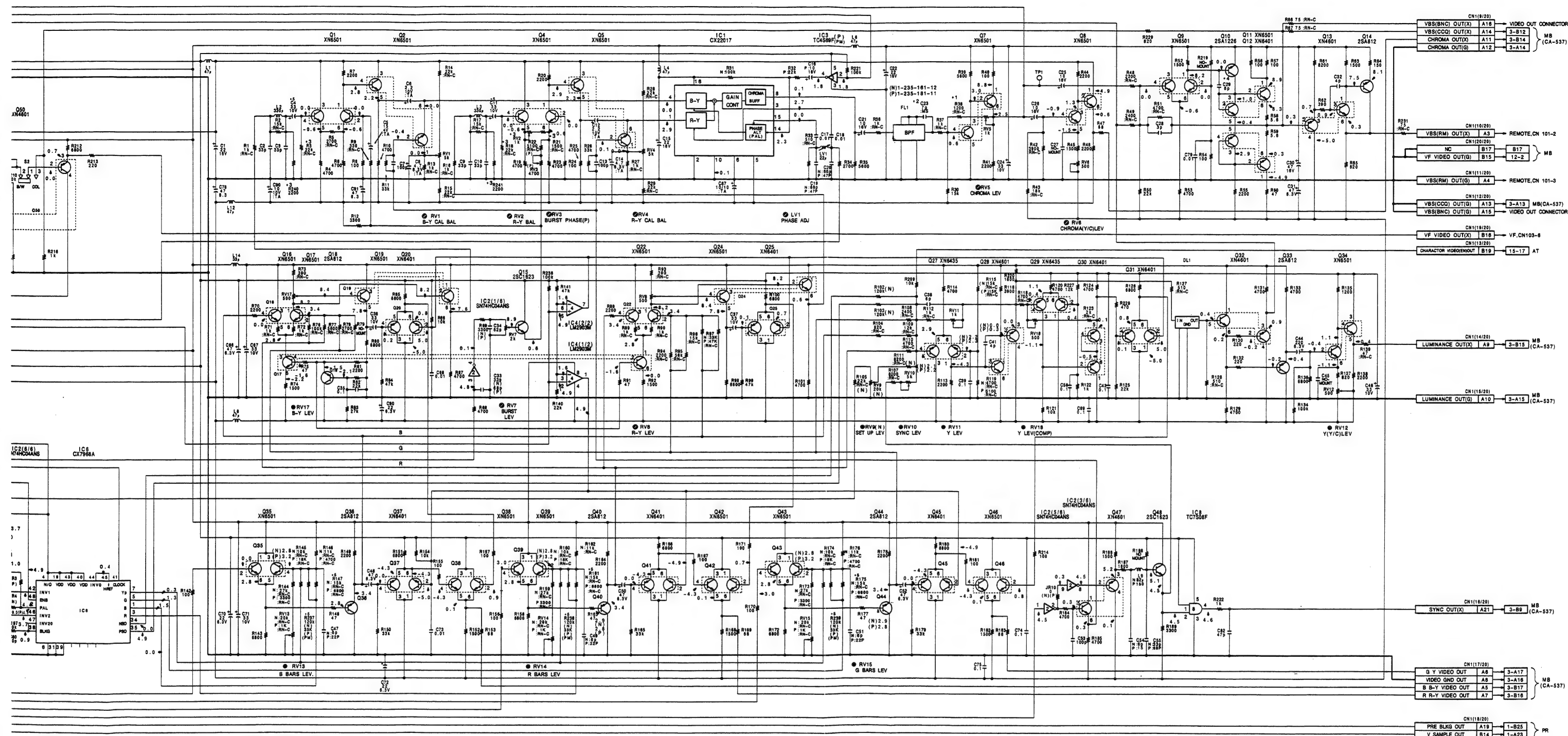
NOTE:

1. All voltage are DC, measured with a digital voltmeter.
2. All waveforms are taken and DC voltage is measured in condition below.
 - Connect the camera adapter CA-537 to the camera.
 - OUTPUT : BARS
 - GAIN : 0dB
 - WHITE BAL : PRE
 - SHUTTER : OFF
 - ZEBRA MARKER : OFF OFF
 - PHASE : 0°
3. The waveform marked with * is for UCmodel.
For J model, the setup level is set to "0" at factory.

Q39-2pin
RQ43-2pin
GQ35-4pin
BCN3-8pin
BFCN3-13pin
HDCN3-9pin
SYNCCN1-A11pin
CHROMACN1-A14pin
VBSCN1-A9pin
YIC1-1pin
(R-Y)IC1-4pin
(B-Y)CN3-6pin
SCCN1-B12pin
BLKG

DXC-537 (J, U C)
DXC-537P (E K)





MARK	ADDRESS	CHANGE INFORMATION	SER. NO.
*5	F-4	R147 13K(N) 15K(N) 4700(P) 6800(P)	12201- (UC) 31371- (J) 42391- (EK)
		R237 ADD	
G-4		R181 13K(N) 15K(N) 4700(P) 6800(P)	
		R238 ADD	
I-4		R175 13K(N) 15K(N) 4700(P) 6800(P)	
		R239 ADD	

MARK	ADDRESS	CHANGE INFORMATION	SER. NO.
*6	B-4	C86 47p → 68p	12201- (UC) 31371- (J) 42391- (EK)

EN-95 BOARD
DXC-537(J,UC)
DXC-537P(EK)
DXC-537M(J)

AT-59

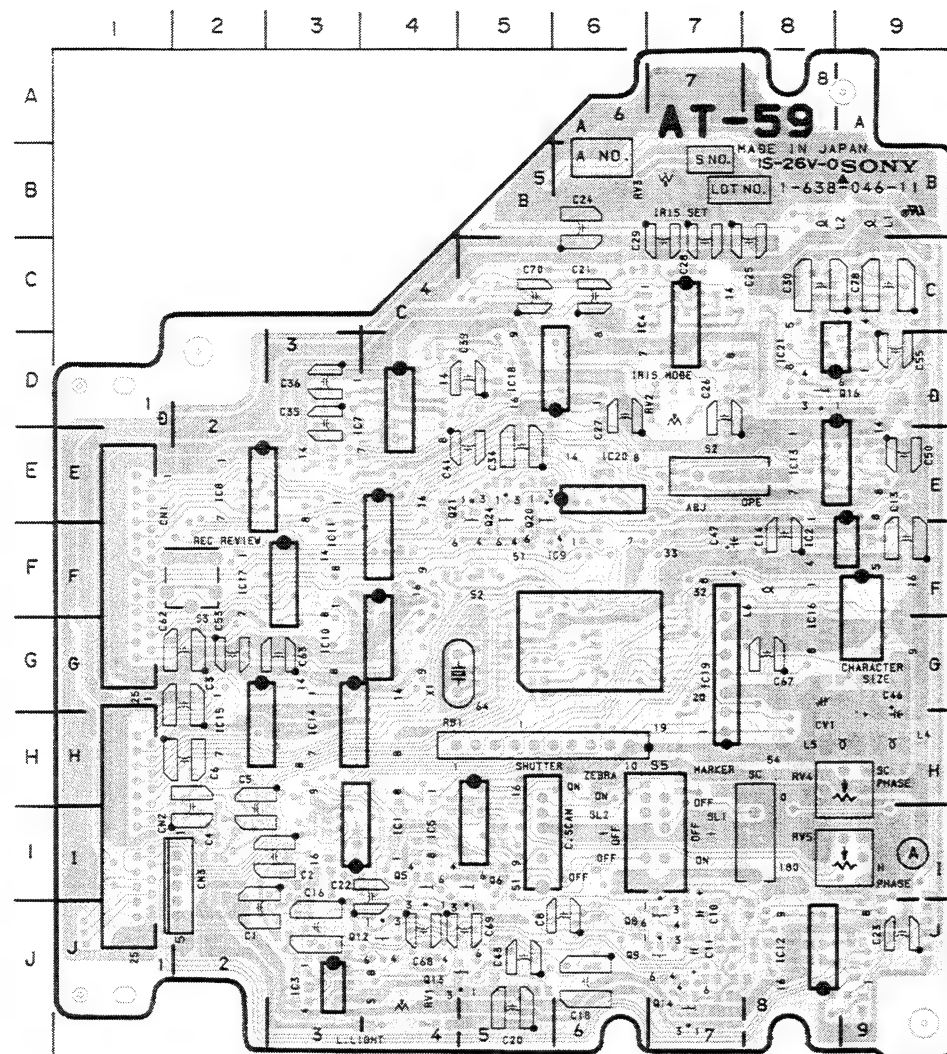
AT-59

AT-59 BOARD

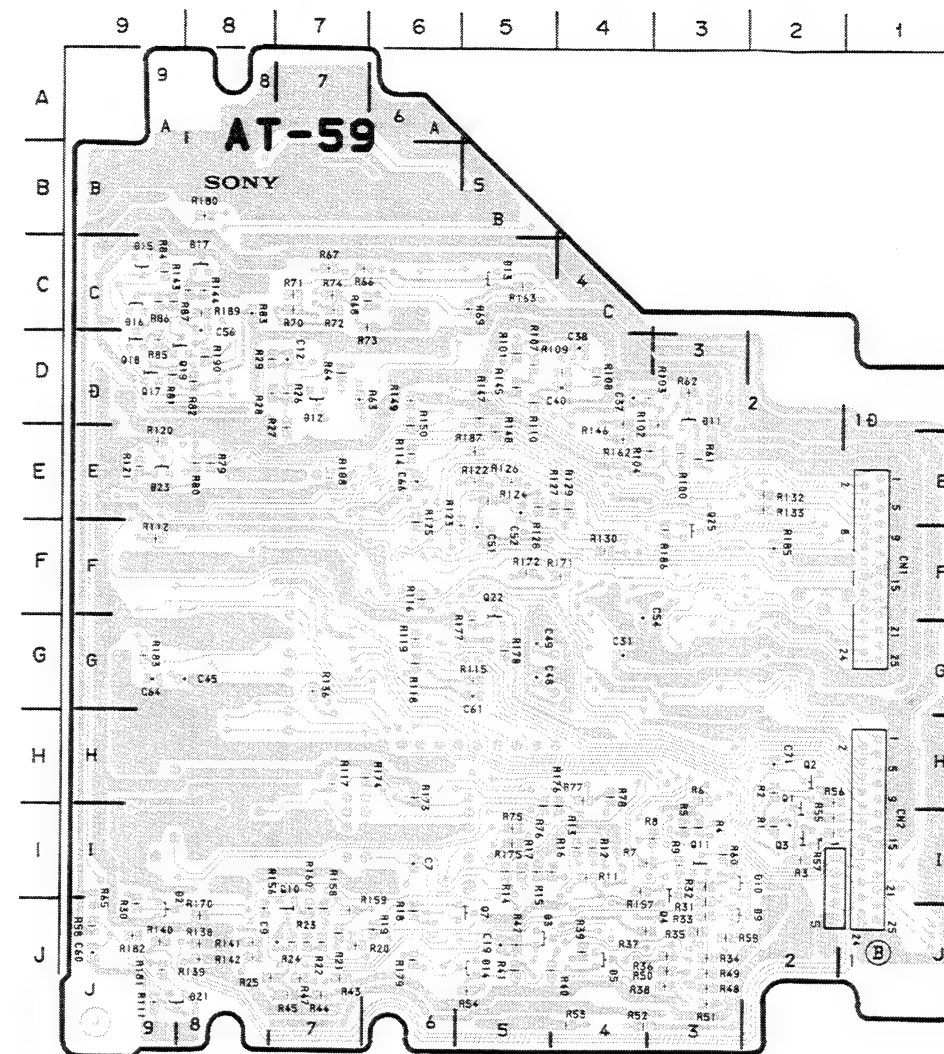
S/N J; 30001 through 30280
 UC; 10001 through 10370
 EK; 40001 through 40440

AT-59(1-638-046-11)

CN1	E-1	Q1	H-2
CN2	I-1	Q2	H-2
CN3	I-2	Q3	I-2
		Q4	J-3
CV1	H-8	Q5	I-4
		Q6	I-5
D2	J-9	Q7	J-5
D3	J-5	Q8	J-6
D5	J-4	Q9	J-6
D9	J-2	Q10	I-7
D10	I-2	Q11	I-3
D11	D-3	Q12	J-3
D12	D-7	Q13	J-4
D13	C-5	Q14	J-7
D14	J-5	Q16	D-9
D15	C-9	Q17	D-9
D16	C-9	Q18	D-9
D17	C-8	Q19	D-9
D21	J-8	Q20	E-5
D23	E-9	Q21	E-4
		Q22	F-5
		Q24	E-5
		Q25	E-3
IC1	I-4	RB1	H-4
IC2	F-8		
IC3	J-3		
IC4	C-6		
IC5	I-4		
IC7	D-4	RV1	J-4
IC8	E-2	RV2	D-7
IC9	F-6	RV3	B-6
IC10	G-3	RV4	H-8
IC11	F-3	RV5	I-8
IC12	J-8		
IC13	E-8	S1	I-5
IC14	H-3	S2	E-7
IC15	H-2	S3	G-2
IC16	F-8	S4	H-8
IC17	F-2	S5	H-7
IC18	D-5		
IC19	G-7	X1	G-4
IC20	E-6		
IC21	D-8		
L1	B-9		
L2	B-8		
L4	H-9		
L5	H-8		
L6	F-8		



C-57(a)



1-638-046-11 SOLDERING SIDE

C-58(a)

AT-59(1-638-046-11)

CN1	E-1	Q1	H-2
CN2	I-1	Q2	H-2
CN3	I-2	Q3	I-2
		Q4	J-3
CV1	H-8	Q5	I-4
		Q6	I-5
D2	J-9	Q7	J-5
D3	J-5	Q8	J-6
D5	J-4	Q9	J-6
D9	J-2	Q10	I-7
D10	I-2	Q11	I-3
D11	D-3	Q12	J-3
D12	D-7	Q13	J-4
D13	C-5	Q14	J-7
D14	J-5	Q16	D-9
D15	C-9	Q17	D-9
D16	C-9	Q18	D-9
D17	C-8	Q19	D-9
D21	J-8	Q20	E-5
D23	E-9	Q21	E-4
		Q22	F-5
		Q24	E-5
		Q25	E-3
IC1	I-4	RB1	H-4
IC2	F-8		
IC3	J-3		
IC4	C-6		
IC5	I-4		
IC7	D-4	RV1	J-4
IC8	E-2	RV2	D-7
IC9	F-6	RV3	B-6
IC10	G-3	RV4	H-8
IC11	F-3	RV5	I-8
IC12	J-8		
IC13	E-8	S1	I-5
IC14	H-3	S2	E-7
IC15	H-2	S3	G-2
IC16	F-8	S4	H-8
IC17	F-2	S5	H-7
IC18	D-5		
IC19	G-7	X1	G-4
IC20	E-6		
IC21	D-8		
L1	B-9		
L2	B-8		
L4	H-9		
L5	H-8		
L6	F-8		

DXC-537 (J,UC)
 DXC-537P (EK)

AT-59

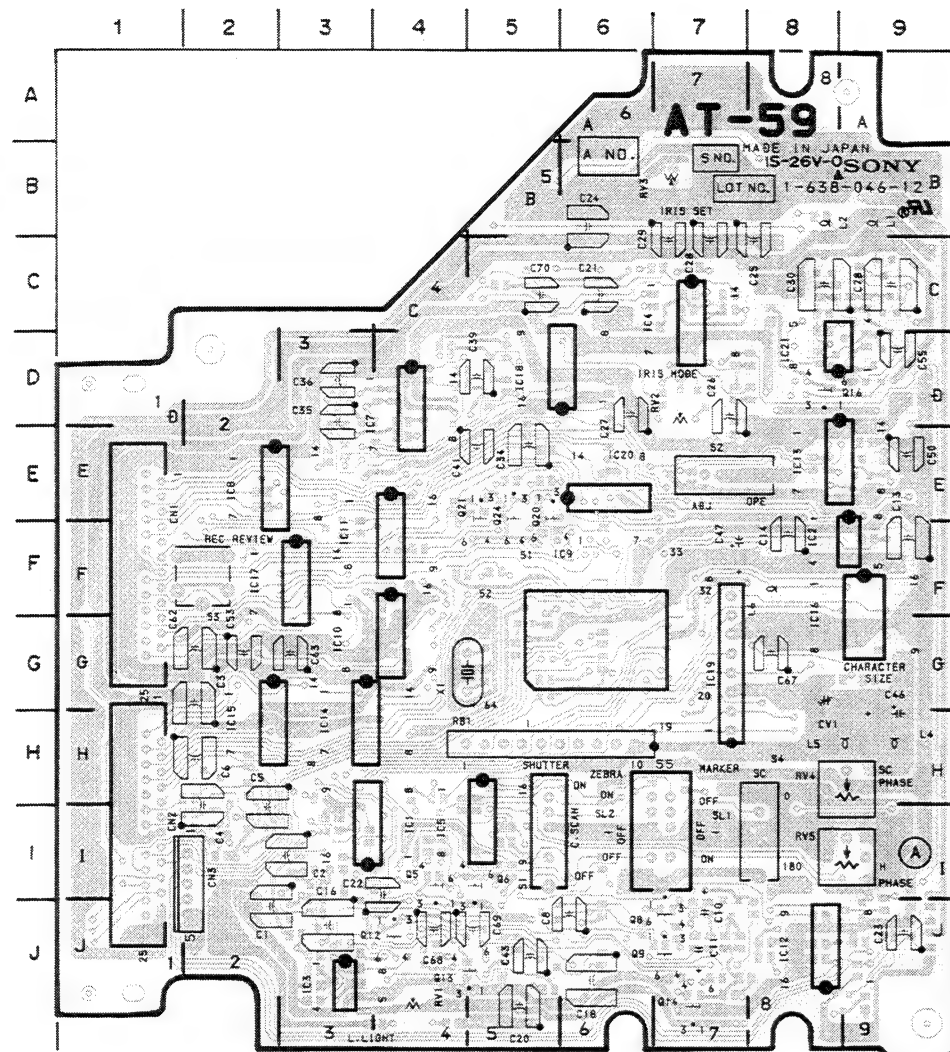
AT-59

AT-59 BOARD

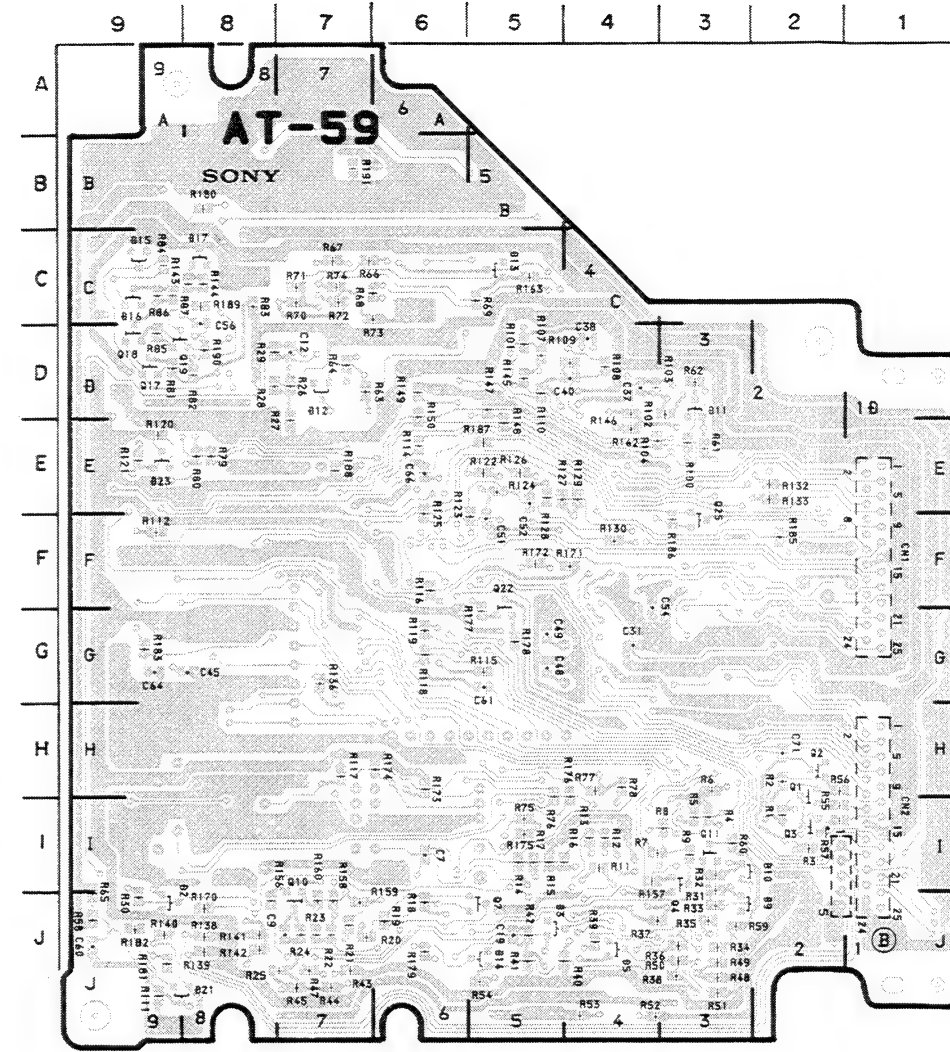
S/N J; 30281 through 30750
 UC; 10371 through 11120
 EK; 40441 through 41220

AT-59(1-638-046-12)

CN1	E-1	Q1	H-2
CN2	I-1	Q2	H-2
CN3	I-2	Q3	I-2
		Q4	J-3
CV1	H-8	Q5	I-4
		Q6	I-5
D2	J-9	Q7	J-5
D3	J-5	Q8	J-6
D5	J-4	Q9	J-6
D9	J-2	Q10	I-7
D10	I-2	Q11	I-3
D11	D-3	Q12	J-3
D12	D-7	Q13	J-4
D13	C-5	Q14	J-7
D14	J-5	Q16	D-9
D15	C-9	Q17	D-9
D16	C-9	Q18	D-9
D17	C-8	Q19	D-9
D21	J-8	Q20	E-5
D23	E-9	Q21	E-4
		Q22	F-5
		Q24	E-5
		Q25	E-3
IC1	I-4	RB1	H-4
IC2	F-8		
IC3	J-3		
IC4	C-6		
IC5	I-4		
IC7	D-4	RV1	J-4
IC8	E-2	RV2	D-7
IC9	F-6	RV3	B-6
IC10	G-3	RV4	H-8
IC11	F-3	RV5	I-8
IC12	J-8		
IC13	E-8	S1	I-5
IC14	H-3	S2	E-7
IC15	H-2	S3	G-2
IC16	F-8	S4	H-8
IC17	F-2	S5	H-7
IC18	D-5		
IC19	G-7	X1	G-4
IC20	E-6		
IC21	D-8		
L1	B-9		
L2	B-8		
L4	H-9		
L5	H-8		
L6	F-8		



C-57(b)



1-638-046-12 SOLDERING SIDE

AT-59(1-638-046-12)

CN1	E-1	Q1	H-2
CN2	I-1	Q2	H-2
CN3	I-2	Q3	I-2
		Q4	J-3
CV1	H-8	Q5	I-4
		Q6	I-5
D2	J-9	Q7	J-5
D3	J-5	Q8	J-6
D5	J-4	Q9	J-6
D9	J-2	Q10	I-7
D10	I-2	Q11	I-3
D11	D-3	Q12	J-3
D12	D-7	Q13	J-4
D13	C-5	Q14	J-7
D14	J-5	Q16	D-9
D15	C-9	Q17	D-9
D16	C-9	Q18	D-9
D17	C-8	Q19	D-9
D21	J-8	Q20	E-5
D23	E-9	Q21	E-4
		Q22	F-5
		Q24	E-5
		Q25	E-3
IC1	I-4	RB1	H-4
IC2	F-8		
IC3	J-3		
IC4	C-6		
IC5	I-4		
IC7	D-4	RV1	J-4
IC8	E-2	RV2	D-7
IC9	F-6	RV3	B-6
IC10	G-3	RV4	H-8
IC11	F-3	RV5	I-8
IC12	J-8		
IC13	E-8	S1	I-5
IC14	H-3	S2	E-7
IC15	H-2	S3	G-2
IC16	F-8	S4	H-8
IC17	F-2	S5	H-7
IC18	D-5		
IC19	G-7	X1	G-4
IC20	E-6		
IC21	D-8		
L1	B-9		
L2	B-8		
L4	H-9		
L5	H-8		
L6	F-8		

C-58(b)

DXC-537 (J,UC)
 DXC-537P (EK)

AT-59 BOARD

S/N J; 30751 and higher
UC; 11121 and higher
EK; 41221 and higher

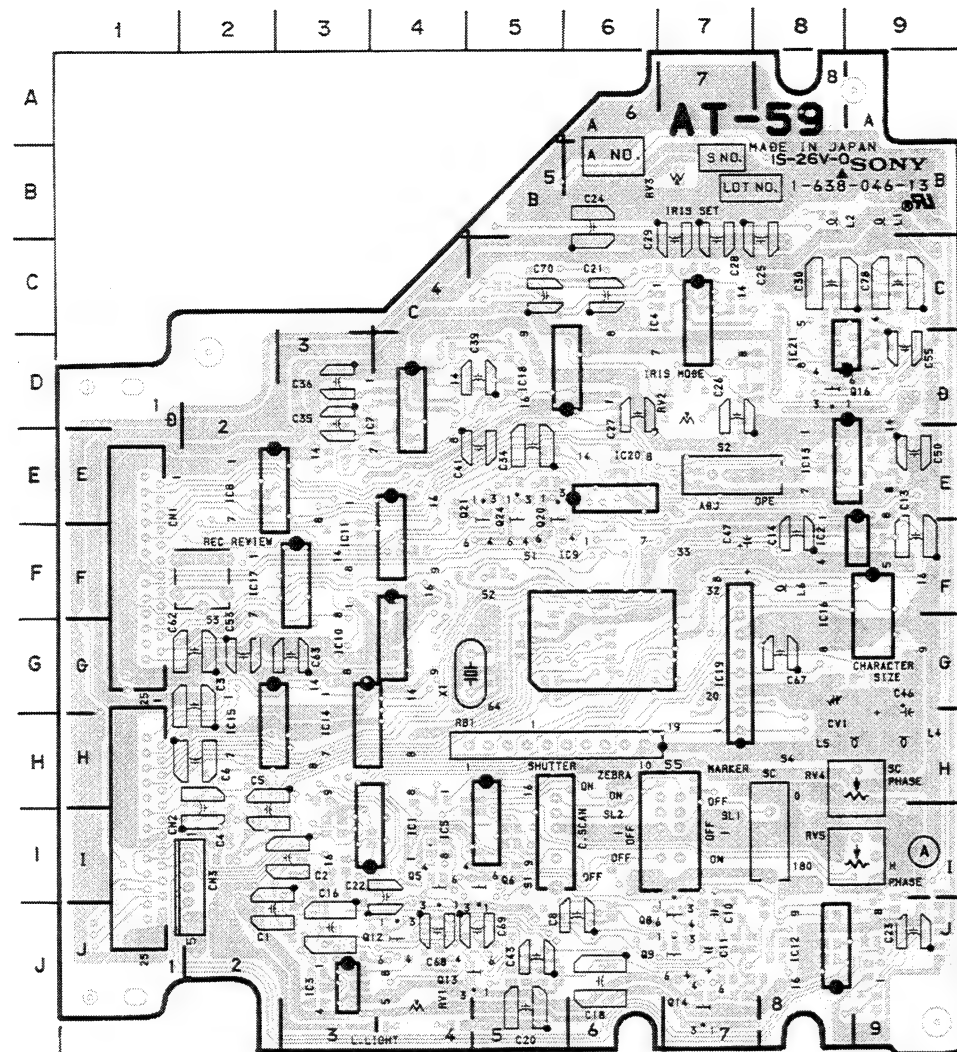
AT-59

AT-59

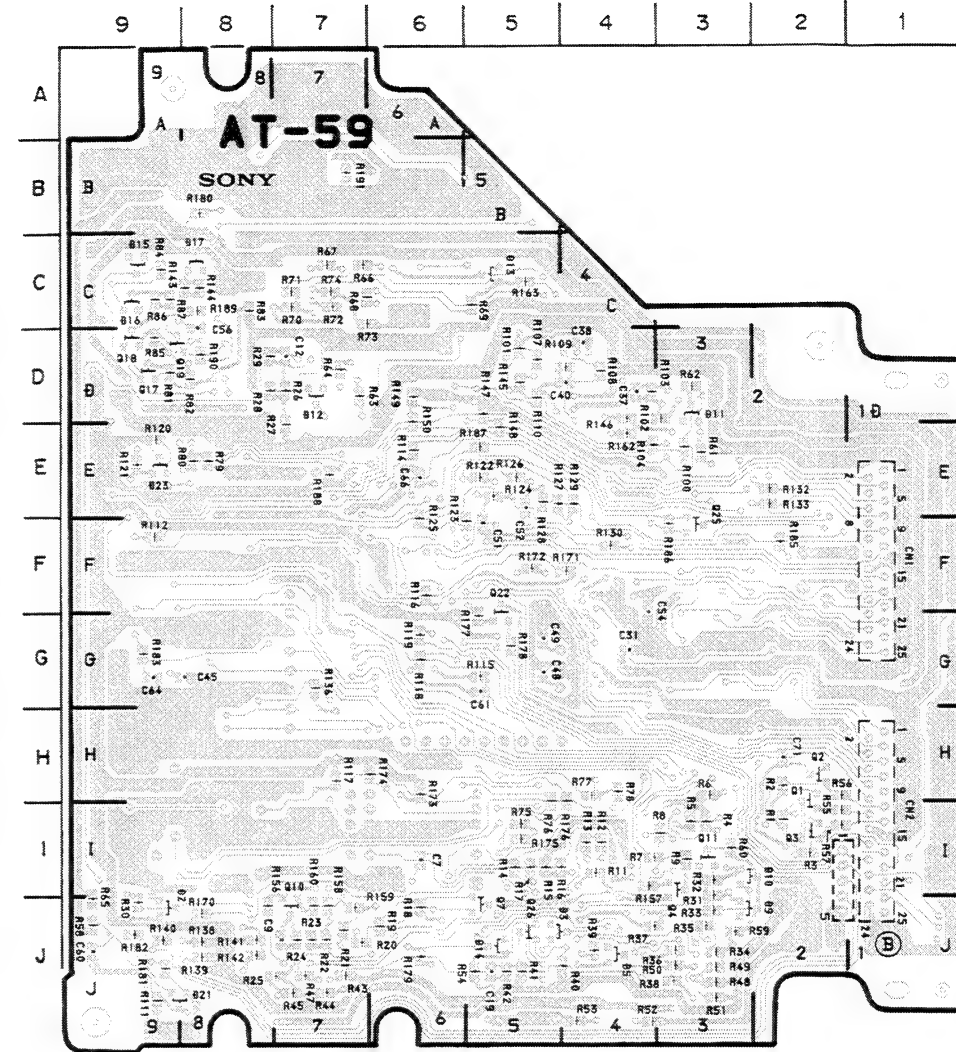
AT-59(1-638-046-13)

CN1	E-1	Q1	H-2
CN2	I-1	Q2	H-2
CN3	I-2	Q3	I-2
		Q4	J-3
CV1	H-8	Q5	I-4
		Q6	I-5
D2	J-9	Q7	J-5
D3	J-5	Q8	J-6
D5	J-4	Q9	J-6
D9	J-2	Q10	I-7
D10	I-2	Q11	I-3
D11	D-3	Q12	J-3
D12	D-7	Q13	J-4
D13	C-5	Q14	J-7
D14	J-5	Q16	D-9
D15	C-9	Q17	D-9
D16	C-9	Q18	D-9
D17	C-8	Q19	D-9
D21	J-8	Q20	E-5
D23	E-9	Q21	E-4
		Q22	F-5
		Q24	E-5
		Q25	E-3
IC1	I-4	RB1	H-4
IC2	F-8		
IC3	J-3		
IC4	C-6		
IC5	I-4		
IC7	D-4	RV1	J-4
IC8	E-2	RV2	D-7
IC9	F-6	RV3	B-6
IC10	G-3	RV4	H-8
IC11	F-3	RV5	I-8
IC12	J-8		
IC13	E-8	S1	I-5
IC14	H-3	S2	E-7
IC15	H-2	S3	G-2
IC16	F-8	S4	H-8
IC17	F-2	S5	H-7
IC18	D-5		
IC19	G-7	X1	G-4
IC20	E-6		
IC21	D-8		

L1	B-9
L2	B-8
L4	H-9
L5	H-8
L6	F-8



C-57(c)



1-638-046-13 SOLDERING SIDE

C-58(c)

AT-59(1-638-046-13)

CN1	E-1	Q1	H-2
CN2	I-1	Q2	H-2
CN3	I-2	Q3	I-2
		Q4	J-3
CV1	H-8	Q5	I-4
		Q6	I-5
D2	J-9	Q7	J-5
D3	J-5	Q8	J-6
D5	J-4	Q9	J-6
D9	J-2	Q10	I-7
D10	I-2	Q11	I-3
D11	D-3	Q12	J-3
D12	D-7	Q13	J-4
D13	C-5	Q14	J-7
D14	J-5	Q16	D-9
D15	C-9	Q17	D-9
D16	C-9	Q18	D-9
D17	C-8	Q19	D-9
D21	J-8	Q20	E-5
D23	E-9	Q21	E-4
		Q22	F-5
		Q24	E-5
		Q25	E-3
IC1	I-4	RB1	H-4
IC2	F-8		
IC3	J-3		
IC4	C-6		
IC5	I-4		
IC7	D-4	RV1	J-4
IC8	E-2	RV2	D-7
IC9	F-6	RV3	B-6
IC10	G-3	RV4	H-8
IC11	F-3	RV5	I-8
IC12	J-8		
IC13	E-8	S1	I-5
IC14	H-3	S2	E-7
IC15	H-2	S3	G-2
IC16	F-8	S4	H-8
IC17	F-2	S5	H-7
IC18	D-5		
IC19	G-7	X1	G-4
IC20	E-6		
IC21	D-8		

L1	B-9
L2	B-8
L4	H-9
L5	H-8
L6	F-8

DXC-537 (J,UC)
DXC-537P(EK)

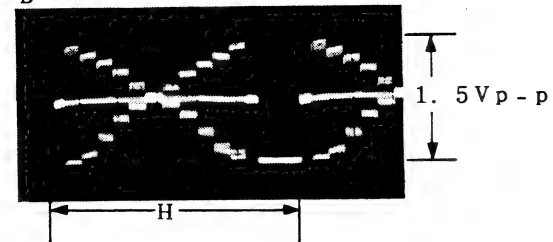
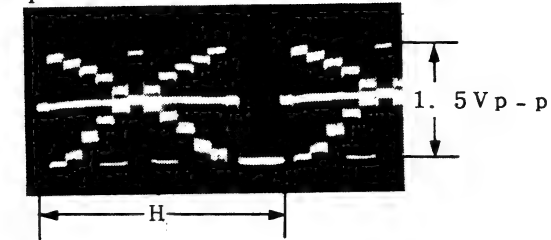
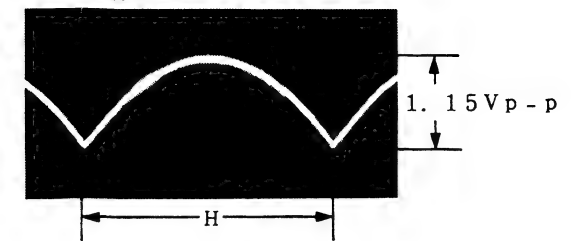
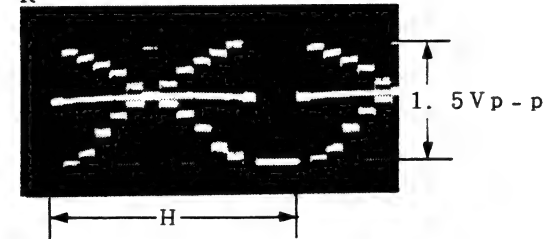
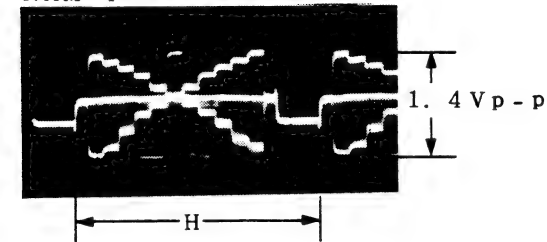
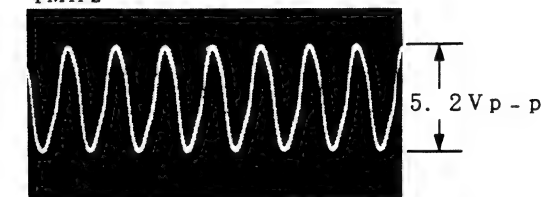
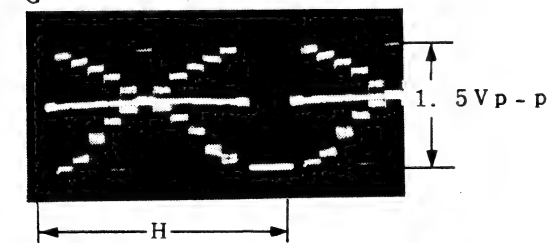
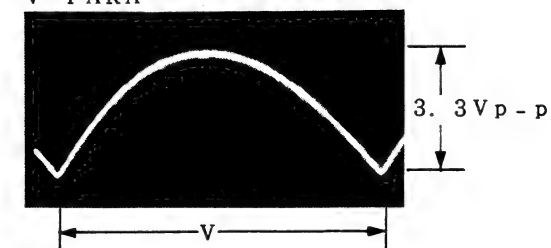
AT-59 BOARD

注意:

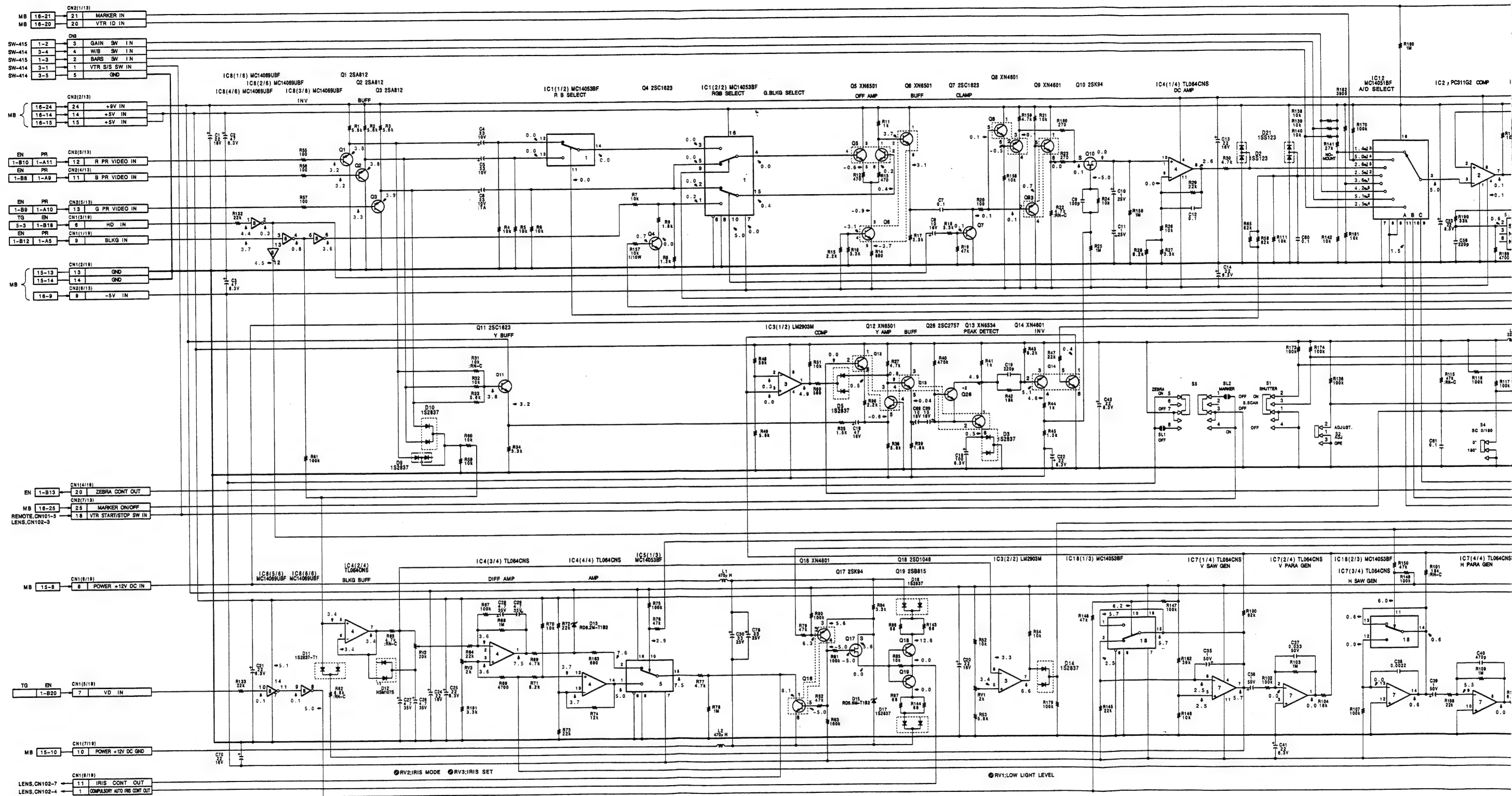
1. DC電圧はデジタル電圧計による値。
 2. 波形写真、及びDC電圧は下記条件での測定。
 - 本機にCA-537を接続する。
 - グレースケールチャートを撮像し、波形モニターにて、ビデオ出力の白レベルが 100 IREになる様にレンズ絞りをセットする。
- OUTPUT : CAM
 • GAIN : 0 dB
 • WHITE BAL : PRE
 • SHUTTER : OFF
 • ZEBRA MARKER : OFF OFF
 • PHASE : 0°

NOTE:

1. All voltage are DC, measured with a digital voltmeter.
 2. All waveforms are taken and DC voltage is measured in condition below.
 - Connect the camera adapter CA-537 to the camera.
 - Shoot the grayscale chart. Adjust lens iris so that a white level is 100IRE on the waveform monitor.
- OUTPUT : CAM
 • GAIN : 0 dB
 • WHITE BAL : PRE
 • SHUTTER : OFF
 • ZEBRA MARKER : OFF OFF
 • PHASE : 0°

CN2-11 pin
BQ11-emitter
YIC7-8 pin
H PARACN2-12 pin
RIC4-5 pin
NAM YIC9-62 pin
4MHzCN2-13 pin
GIC7-1 pin
V PARA

AT-59 BOARD

DXC-537 (J,UC)
DXC-537P(EK)

C-63

C-64

A

B

C

D

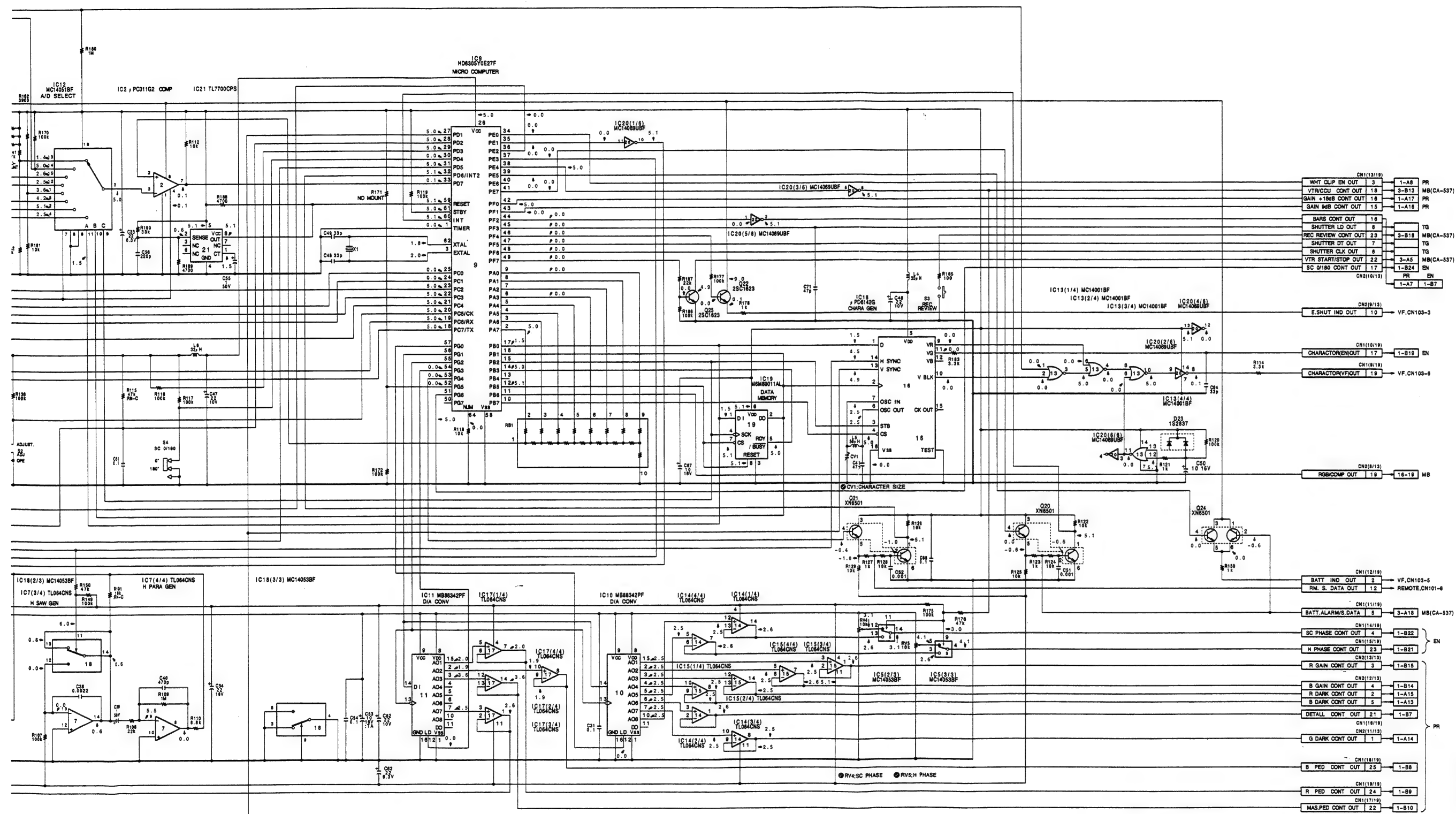
E

F

G

H

I



AT-59 BOARD
 DXC-537(J,UC)
 DXC-537P(EK)
 DXC-537M(J)

NOTE

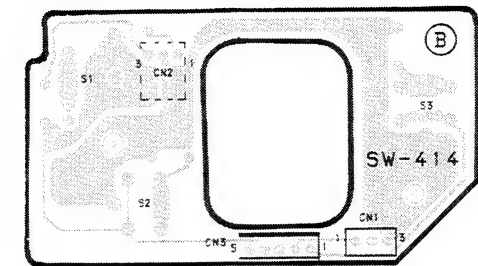
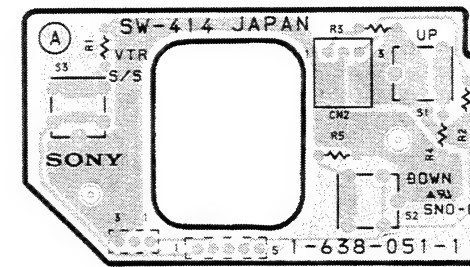
MARK	ADDRESS	CHANGE INFORMATION	SER. NO.
*1	C-5	D12 1S2837 → HSM107S	10841- (U) 30951- (J) 40841- (EK)
*2	F-3	Q26 25C2757 ADD	11061- (U) 30841- (J) 40841- (EK)

CN-439,MB-307
SW-414,SW-415 FRAME



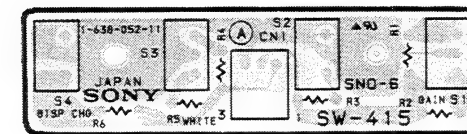
CN-439,MB-307
FRAME SW-414,SW-415

SW-414 BOARD



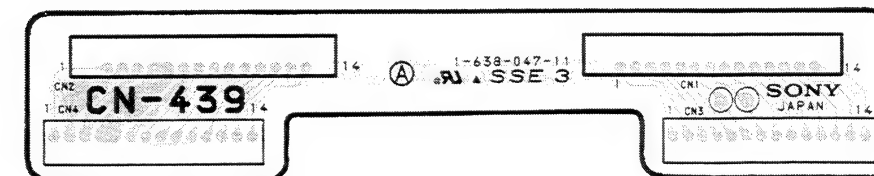
1-638-051-11 SOLDERING SIDE

SW-415 BOARD



1-638-052-11 SOLDERING SIDE

CN-439 BOARD



MB-307 BOARD

S/N J : 30001 through 30040
UC: 10001 through 10060
EK: 40001 through 40050

CN-439,MB-307
SW-414,SW-415 FRAME

CN-439,MB-307
FRAME SW-414,SW-415

MB-307(1-638-050-11)

CN1 F-5
CN2 F-7
CN3 H-8
CN4 D-6
CN5 C-4
CN6 I-1
CN7 C-5
CN8 D-5
CN9 D-5
CN10 E-1
CN11 G-1
CN12 J-6
CN13 I-7
CN14 D-7
CN15 E-3
CN16 H-3
CN19 A-6
CN20 B-8
CN21 A-5

D1 H-4
D2 C-7

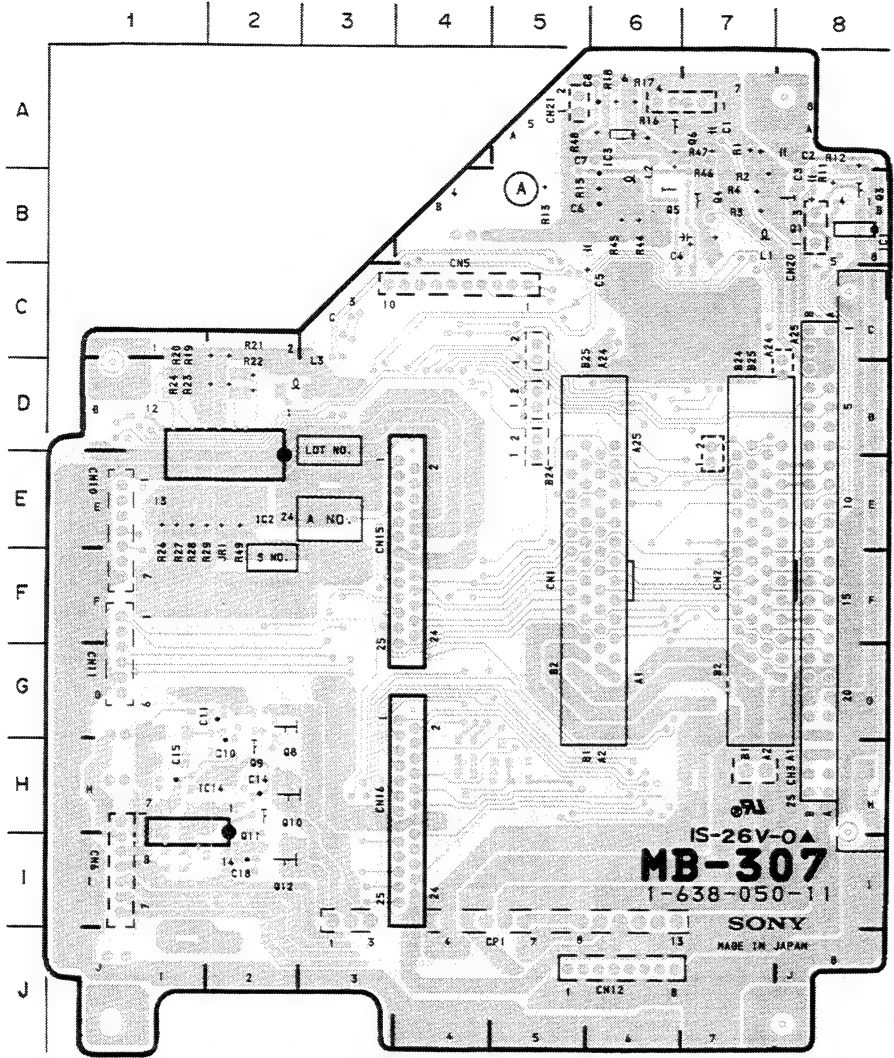
IC1 B-8
IC2 E-2
IC3 A-6
IC5 H-1

L1 B-7
L2 B-6
L3 D-3

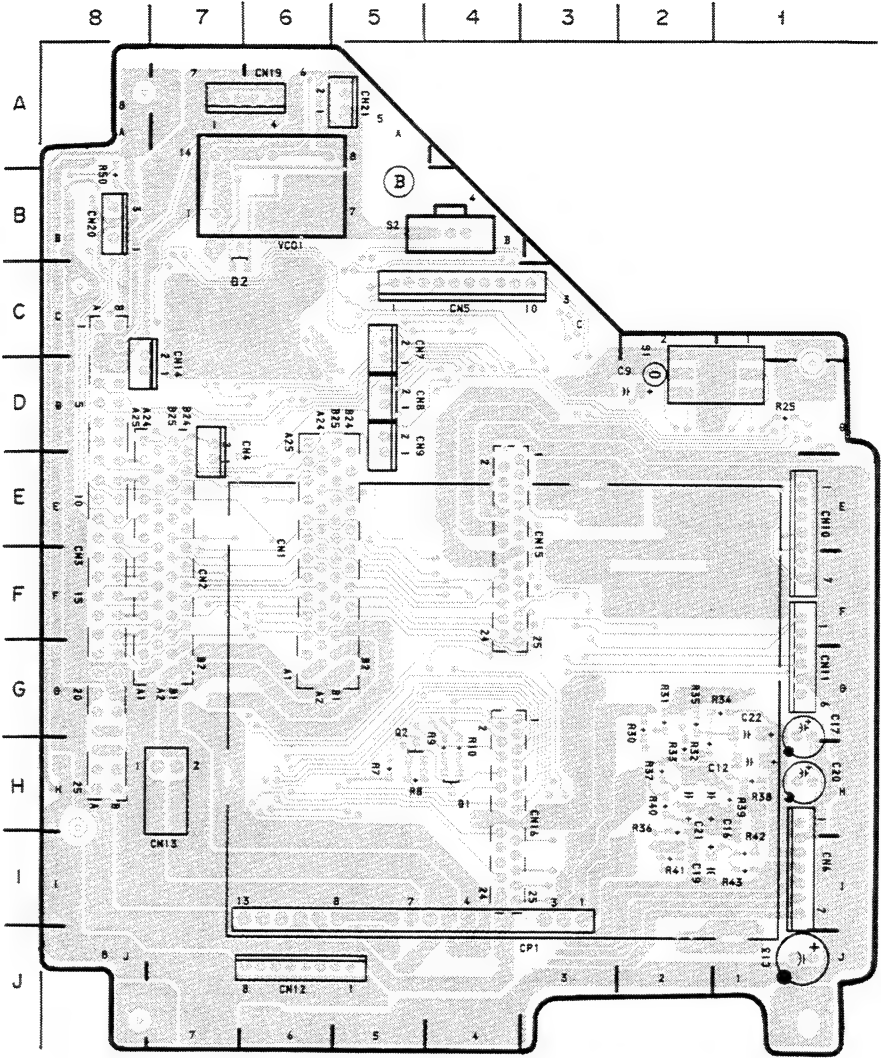
Q1 B-8
Q2 G-5
Q3 B-8
Q4 B-7
Q5 B-6
Q6 A-7
Q8 H-2
Q9 H-2
Q10 H-2
Q11 I-2
Q12 I-2

S1 C-2
S2 B-5

VCO1 B-6



C-69(a)



1-638-050-11 SOLDERING SIDE

MB-307(1-638-050-11)

CN1 F-5
CN2 F-7
CN3 H-8
CN4 D-6
CN5 C-4
CN6 I-1
CN7 C-5
CN8 D-5
CN9 D-5
CN10 E-1
CN11 G-1
CN12 J-6
CN13 I-7
CN14 D-7
CN15 E-3
CN16 H-3
CN19 A-6
CN20 B-8
CN21 A-5

D1 H-4
D2 C-7

IC1 B-8
IC2 E-2
IC3 A-6
IC5 H-1

L1 B-8
L2 B-6
L3 D-3

Q1 B-7
Q2 G-5
Q3 B-8
Q4 B-7
Q5 B-6
Q6 A-7
Q8 H-2
Q9 H-2
Q10 H-2
Q11 I-2
Q12 I-2

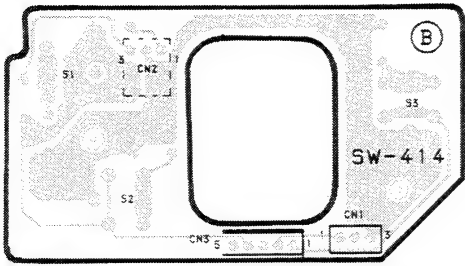
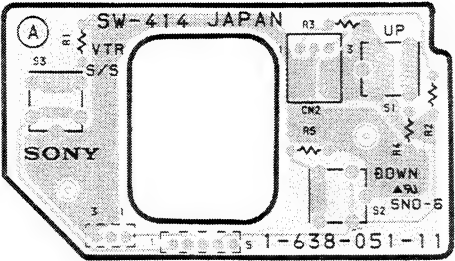
S1 C-2
S2 B-5

VCO1 B-6

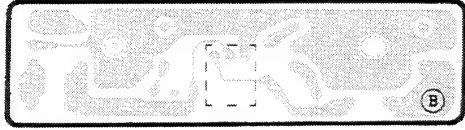
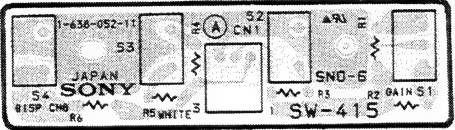
DXC-537 (J,UC)
DXC-537P (EK)

C-70(a)

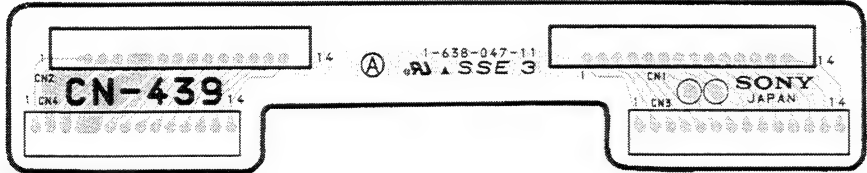
SW-414 BOARD



SW-415 BOARD



CN-439 BOARD



MB-307 BOARD

MB-307(1-638-050-12)

- CN1 F-5
- CN2 F-7
- CN3 H-8
- CN4 D-6
- CN5 C-4
- CN6 I-1
- CN7 C-5
- CN8 D-5
- CN9 D-5
- CN10 E-1
- CN11 G-1
- CN12 J-6
- CN13 I-7
- CN14 D-7
- CN15 E-3
- CN16 H-3
- CN19 A-6
- CN20 B-8
- CN21 A-5

- D1 H-4
- D2 C-7

- IC1 B-8
- IC2 E-2
- IC3 A-6
- IC5 H-1

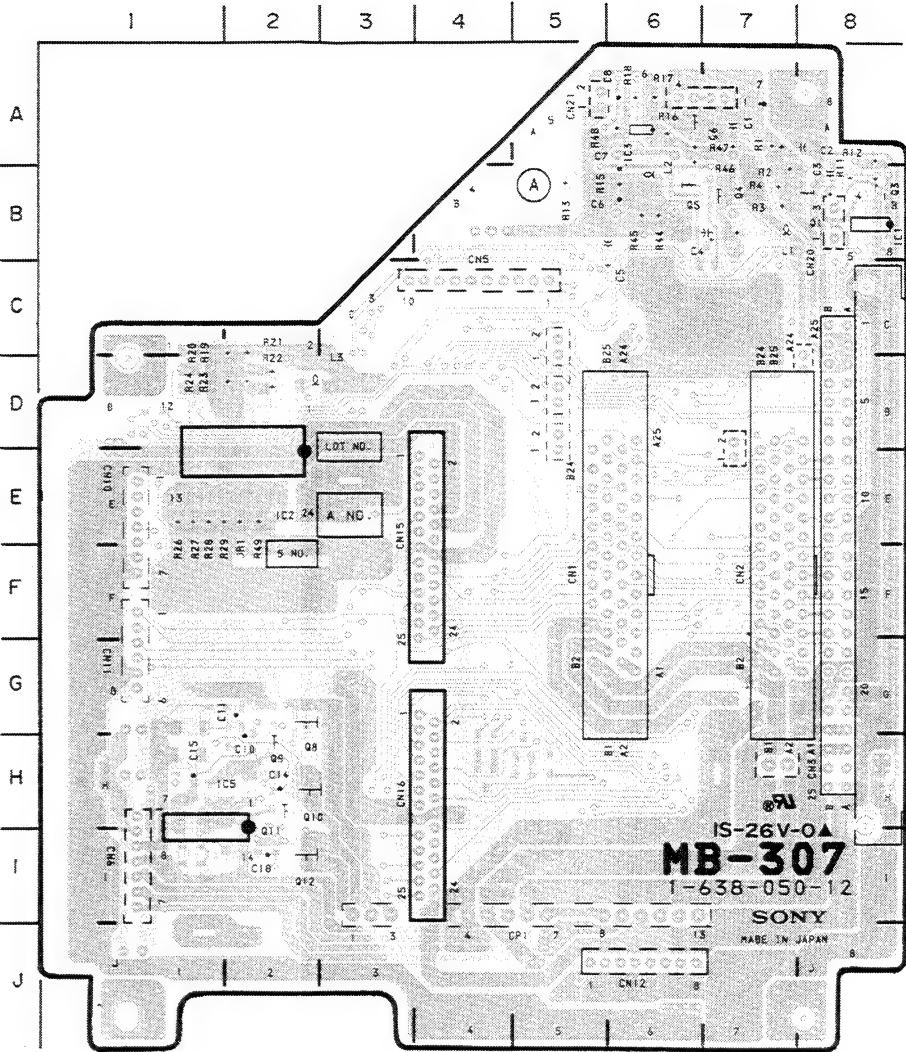
- L1 B-7
- L2 B-6
- L3 D-3

- Q1 B-8
- Q2 G-5
- Q3 B-8
- Q4 B-7
- Q5 B-6
- Q6 A-7
- Q8 H-2
- Q9 H-2
- Q10 H-2
- Q11 I-2
- Q12 I-2

- S1 C-2
- S2 B-5

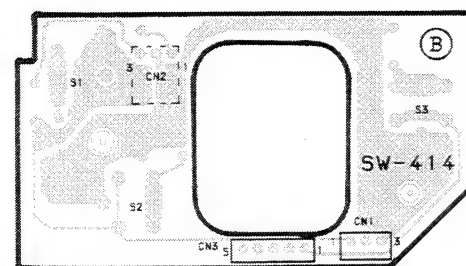
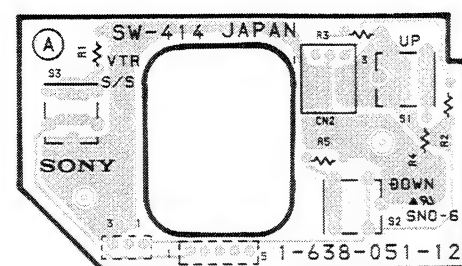
- VCO1 B-6

S/N J ; 30041 through 30280
UC; 10061 through 10370
EK; 40051 through 40440



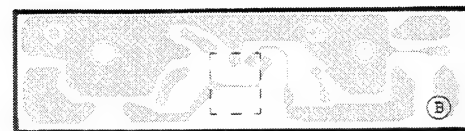
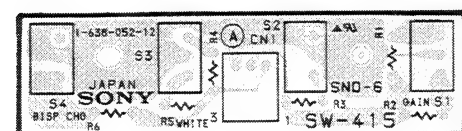
DXC-537 (J, U C)
DXC-537P (E K)

SW-414 BOARD



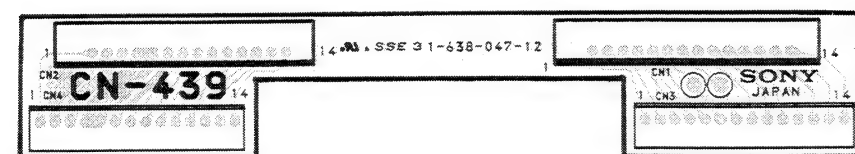
1-638-051-12 SOLDERING SIDE

SW-415 BOARD



1-638-052-12 SOLDERING SIDE

CN-439 BOARD



MB-307 BOARD

S/N J : 30281 and higher
 UC : 10371 and higher
 EK : 40441 and higher

MB-307(1-638-050-13)

CN1 F-5
 CN2 F-7
 CN3 H-8
 CN4 D-6
 CN5 C-4
 CN6 I-1
 CN7 C-5
 CN8 D-5
 CN9 D-5
 CN10 E-1
 CN11 G-1
 CN12 J-6
 CN13 I-7
 CN14 D-7
 CN15 E-3
 CN16 H-3
 CN19 A-6
 CN20 B-8
 CN21 A-5

D1 H-4
 D2 C-7

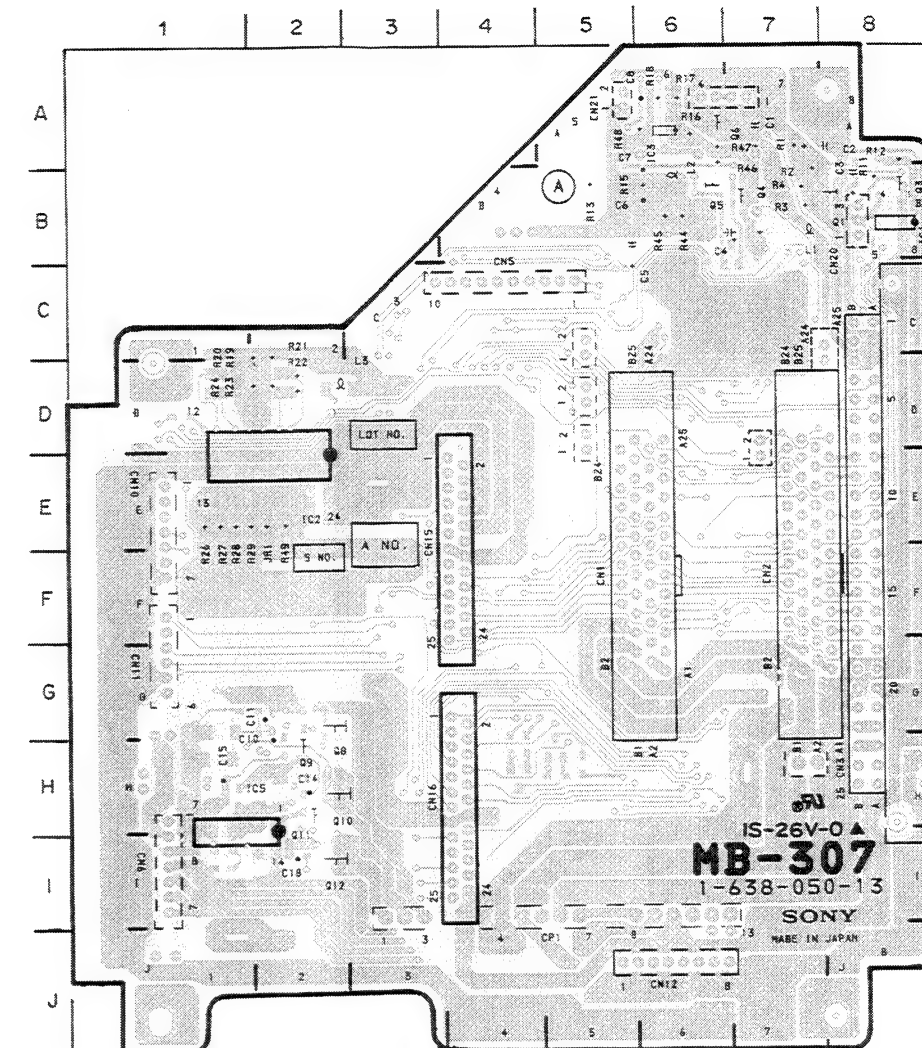
IC1 B-8
 IC2 E-2
 IC3 A-6
 IC5 H-1

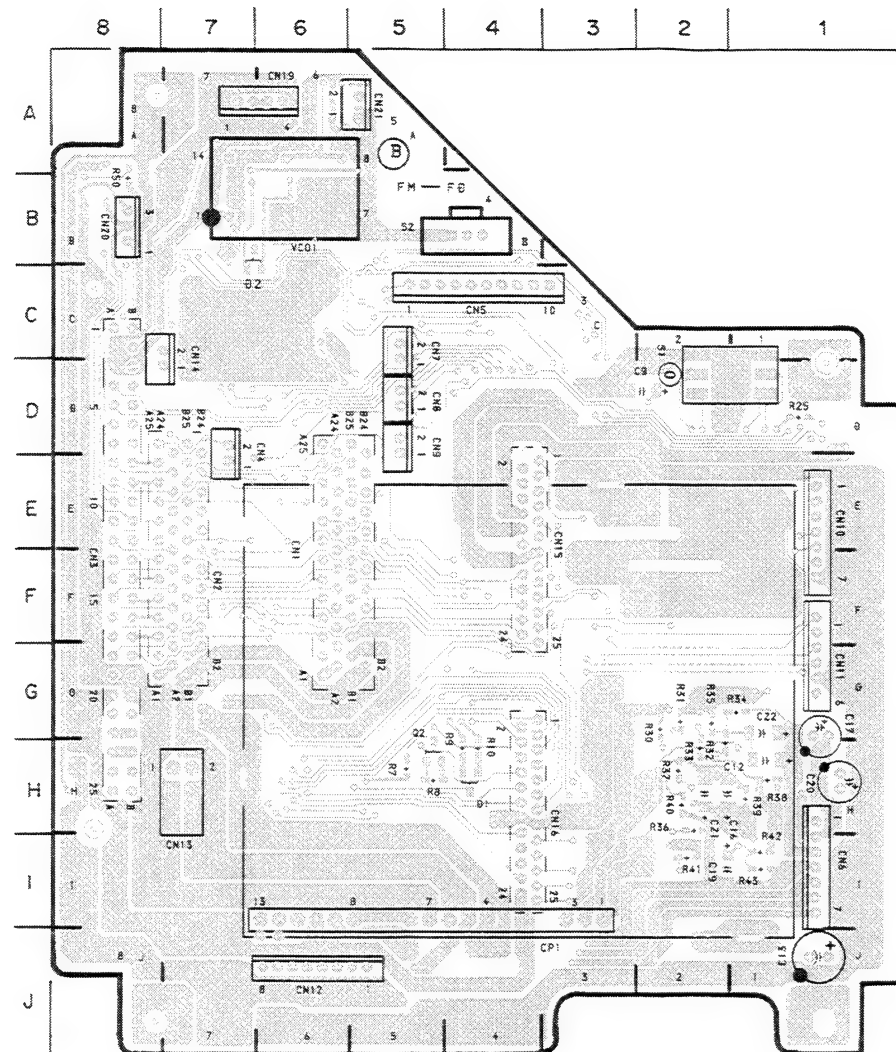
L1 B-7
 L2 B-6
 L3 D-3

Q1 B-8
 Q2 G-5
 Q3 B-8
 Q4 B-7
 Q5 B-6
 Q6 A-7
 Q8 H-2
 Q9 H-2
 Q10 H-2
 Q11 I-2
 Q12 I-2

S1 C-2
 S2 B-5

VCO1 B-6





1-638-050-13 SOLDERING SIDE

MB-307(1-638-050-13)

- CN1 F-5
- CN2 F-7
- CN3 H-8
- CN4 D-6
- CN5 C-4
- CN6 I-1
- CN7 C-5
- CN8 D-5
- CN9 D-5
- CN10 E-1
- CN11 G-1
- CN12 J-6
- CN13 I-7
- CN14 D-7
- CN15 E-3
- CN16 H-3
- CN19 A-6
- CN20 B-8
- CN21 A-5

- D1 H-4
- D2 C-7

- IC1 B-8
- IC2 E-2
- IC3 A-6
- IC5 H-1

- L1 B-7
- L2 B-6
- L3 D-3

- Q1 B-8
- Q2 G-5
- Q3 B-8
- Q4 B-7
- Q5 B-6
- Q6 A-7
- Q8 H-2
- Q9 H-2
- Q10 H-2
- Q11 I-2
- Q12 I-2

- S1 C-2
- S2 B-5

- VCO1 B-6

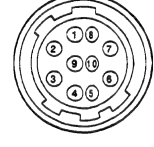
FRAME

MB-307 BOARD
SW-414 BOARD
SW-415 BOARD

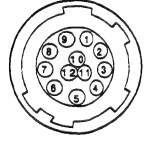
MB-307
SW-414,SW-415 FRAME

FRAME MB-307
SW-414,SW-415

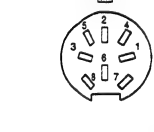
CN101
(FEMALE)
-EXT VIEW-



CN102
(FEMALE)
-EXT VIEW-



CN103
(FEMALE)
-WIRING SIDE-



DXC-537 (J,UC)
DXC-537P(EK)

C-71

AT-59

C-72

SW-414

A

B

C

D

E

F

G

H

I

NOTE
MARK
*1



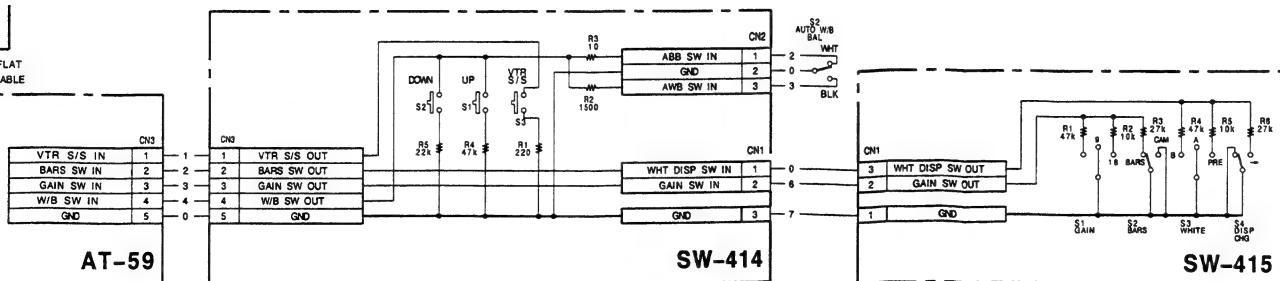
2-B23	MODE ID	A1	CR
	GND(CHASSIS)	B1	
	MIC OUT(Y)	A2	
	MIC OUT(X)	A3	
	MIC OUT(G)	B3	
	(SPARE)	B2	
10-512-1	REC TALLY IND IN	A4	
	(SPARE)	B4	
16-21VTR	START/STOP OUT	A5	
	(SPARE)	A6	
	(SPARE)	B6	
	(SPARE)	A7	
	(SPARE)	B7	
2-A22	GENLOCK VIDEO IN(G)	A8	
2-A23	GENLOCK VIDEO IN(X)	A9	
2-A24	SYNC OUT(G)	B8	
2-A21	SYNC OUT(X)	B9	
	PB RET VIDEO IN(G)	A10	
	PB RET VIDEO IN(X)	A11	
2-A17	COLOR FRAMING PULSE	A12	
	VF VIDEO CONT IN	A13	
2-A13	VBS OUT(G)	A14	
2-A14	VBS OUT(X)	B11	
20-1	VTR SAVE CONT OUT	A15	
15-11	VTR/CCU CONT OUT	B12	
2-A12	CHROMINANCE OUT(G)	A16	
2-A11	CHROMINANCE OUT(X)	B13	
2-A10	LUMINANCE OUT(G)	A17	
2-A9	LUMINANCE OUT(X)	B14	
2-A8	VIDEO GND OUT	A18	
2-A7	R/R-Y VIDEO OUT	A19	
2-A6	G/Y VIDEO OUT	A1	
2-A5	B/B-Y VIDEO OUT	A1	
15-5	BATT ALARM W.D. DATA	A1	
16-23	REC REVIEW OUT	B1	
	(SPARE)	A1	
	(SPARE)	A2	
	+8.5V OUT	A3	
	+5V OUT	A4	
	-5V OUT	A5	
	GND	B2	
	POWER +12V DC IN	A2	
	POWER +12V DC IN	B2	
	POWER +12V DC GND	A2	
	POWER +12V DC GND	B2	
	(SPARE)	A2	
	(SPARE)	B2	
	GND(CHASSIS)	A2	
	GND(CHASSIS)	B2	

	CN2	CN1
28MHZ OUT(X)	1	1
28MHZ OUT(G)	2	2
PRE BLKG OUT	3	3
CLP OUT	4	4
V SAMPLE OUT	5	5
GIE VIDEO IN(G)	6	6
GIE VIDEO IN(X)	7	7
+18dB CONT OUT	8	8

	Q13	Q14
DTL CTL OUT	1	1
DTL OUT	2	2
R OUT (G)	3	3
R OUT (X)	4	4
G OUT (G)	5	5
G OUT (X)	6	6
GND	7	7
GND	8	8
-4.8V OUT	9	9
-4.8V OUT	10	10
+4.8V OUT	11	11
+4.8V OUT	12	12
+8.5V OUT	13	13
+8.5V OUT	14	14

PR-143 | IE-28

NOTE			
MARK	ADDRESS	CHANGE INFORMATION	SER NO.
•1	E-2	R21 1k → 0.1	12051- (UC) 31271- (J) 41721- (EK)



	CN3	CN1	CN3	CN1
FLD IN	1	2	1	1
SG CHROMA OUT(X)	2	1	2	2
SG CHROMA OUT(G)	3	4	3	3
CF PULSE IN	4	4	4	4
OND	5	5	5	5
SC IN (X)	6	6	6	6
SC IN (G)	7	7	7	7
9F IN	8	8	8	8
SYNCH IN	9	9	9	9
CLK IN(G)	10	10	10	10
CLK IN(X)	11	11	11	11
VO IN	12	12	12	12
HD IN	13	13	13	13
OND	14	14	14	14

	CN2	CN2	CN4	CN2
L ALT IN	1	1	1	1
+5V OUT	2	2	2	2
+9V OUT	3	3	3	3
OND	4	4	4	4
OND	5	5	5	5
-5V IN	6	6	6	6
14MHz OUT(G)	7	7	7	7
14MHz OUT(X)	8	8	8	8
H PHASE CONT OUT	9	9	9	9
SC PHASE CONT OUT	10	10	10	10
SC 3/180 CONT IN	11	11	11	11
GENLOCK VIDEO OUT(G)	12	12	12	12
GENLOCK VIDEO OUT(X)	13	13	13	13
VCO CONT IN	14	14	14	14

EN-95 | CN-439 | SG-171

C-73


MB-307 BOARD
SW-414 BOARD
SW-415 BOARD
DXC-537(J,UC)
DXC-537P(EK)
DXC-537M(J)

B-DXC537-FRAME/M

SECTION D SPARE PARTS

PARTS INFORMATION

1. Safety Related Component Warning

Components identified by shading marked with  on the schematic diagrams, exploded views and electrical spare parts list are critical to safe operation. Replace these components with Sony parts whose parts numbers appear as shown in this manual or in service manual supplements published by Sony.

2. Replacement Parts supplied from Sony Parts Center will sometimes have different shape and outside view from the parts which actually in use. This is due to **"accommodating the improved parts and/or engineering changes" or "standardization of genuine parts."** This manual's exploded view and electrical spare parts lists are indicating the parts numbers of "the standardized genuine parts at present." Regarding engineering parts and diagrams changes in our engineering department, refer to SONY service bulletins and service manual supplements.
3. The parts marked with "S" in the SP column of the exploded views and electrical spare parts list are normally required for routine service work. Orders for parts marked with "O" will be processed, but allow for additional delivery time.
4. Item with no parts number and/or no description are not stocked because they are seldom required for routine service.
5. All capacitors are in micro farads unless otherwise specified.
All inductors are in micro henries unless otherwise specified.
All resistors are in ohms.

EXPLODED VIEW

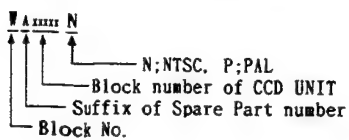
----- CCD BLOCK -----

No.	Part No.	SP Description
1	A-7575-164-A s	CCD UNIT-C537 (N) (for DXC-537) *1)
	A-7575-165-A s	CCD UNIT-C537P (P) (for DXC-537P)*2)
2	1-547-474-11 o	FILTER UNIT, OPTICS
3	3-168-347-01 o	HOLDER, CABLE
4	3-168-368-03 o	PANEL, FRONT
5	3-678-629-00 s	LEVER, MOUNT
6	3-688-781-02 s	KNOB, FILTER
7	3-699-048-01 s	CAP, MOUNT
8	3-701-506-01 s	SET SCREW, DOUBLE POINT 3X4
9	3-701-822-00 o	HOLDER, WIRE
10	7-621-770-87 s	SCREW +B 2.6X5
11	7-621-775-08 s	SCREW +B 2.6X3
12	7-627-452-38 s	SCREW, PRECISION +K 2X5
13	7-627-556-28 s	SCREW +P 2.6X3.5
14	7-682-548-09 s	SCREW +B 3X8

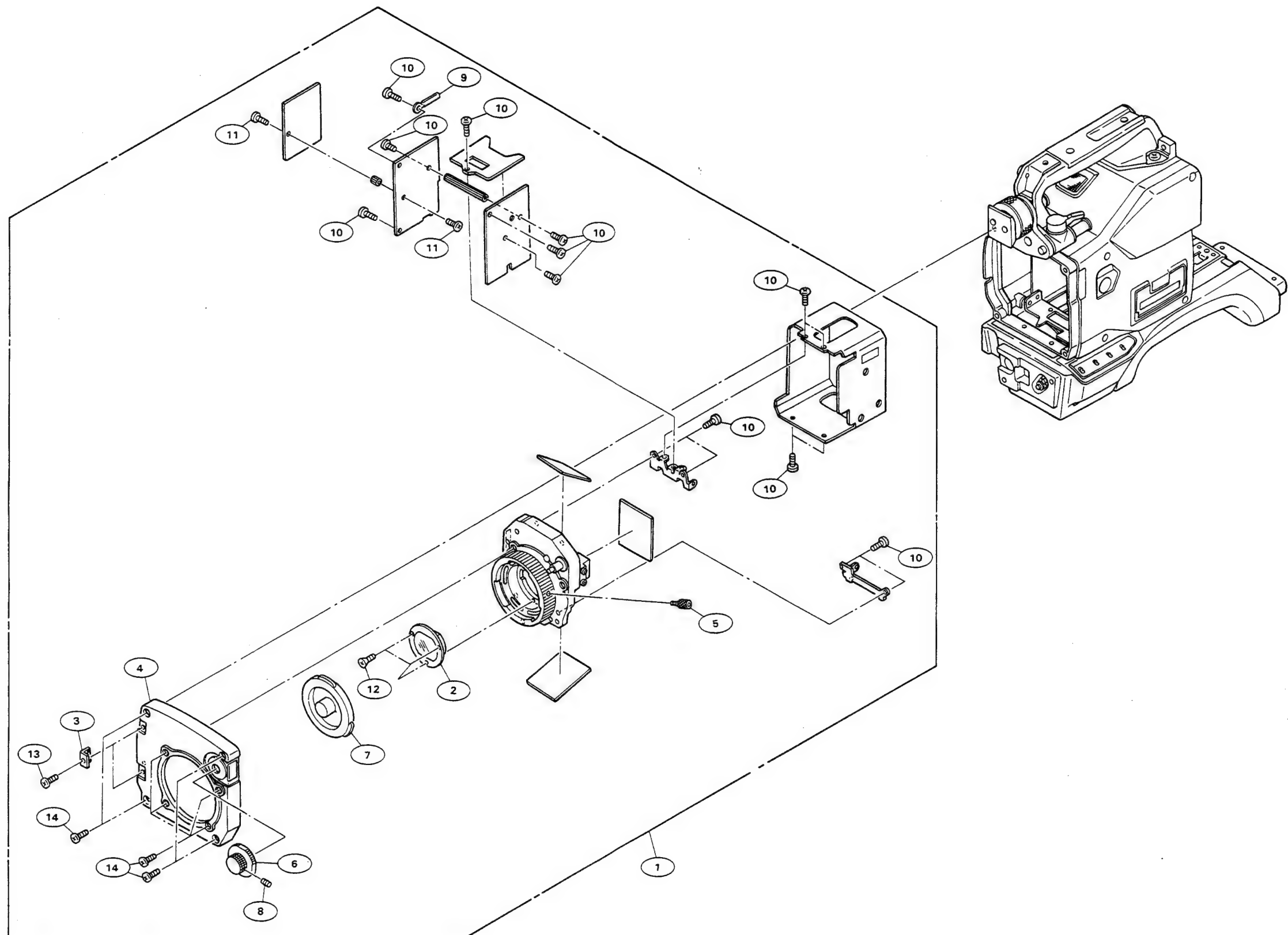
*1) CCD BLOCK NUMBER; W A XXXXX N

*2) CCD BLOCK NUMBER; W A XXXXX P

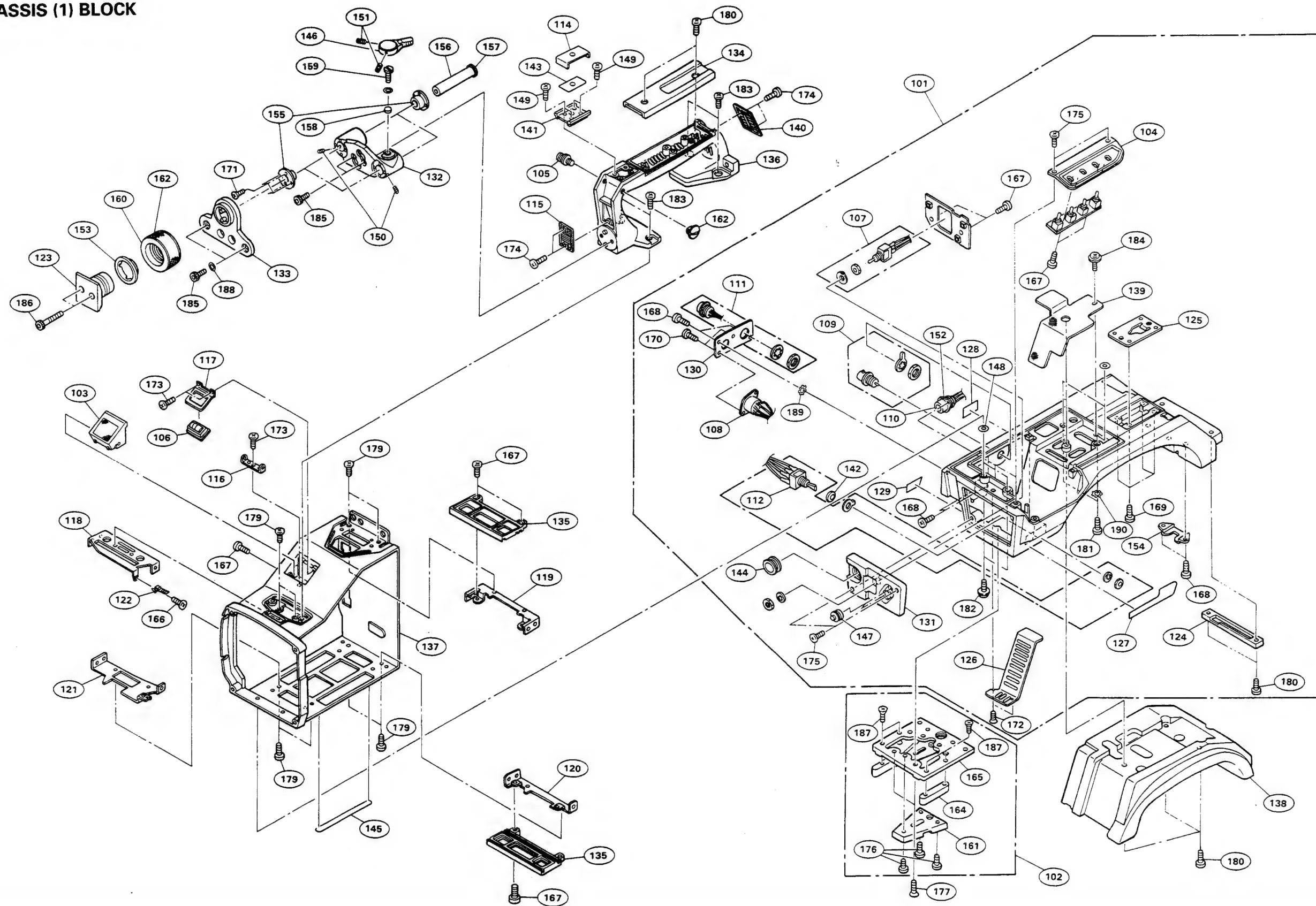
How to read the CCD BLOCK NUMBER



CCD BLOCK



CHASSIS (1) BLOCK



CHASSIS (1) BLOCK

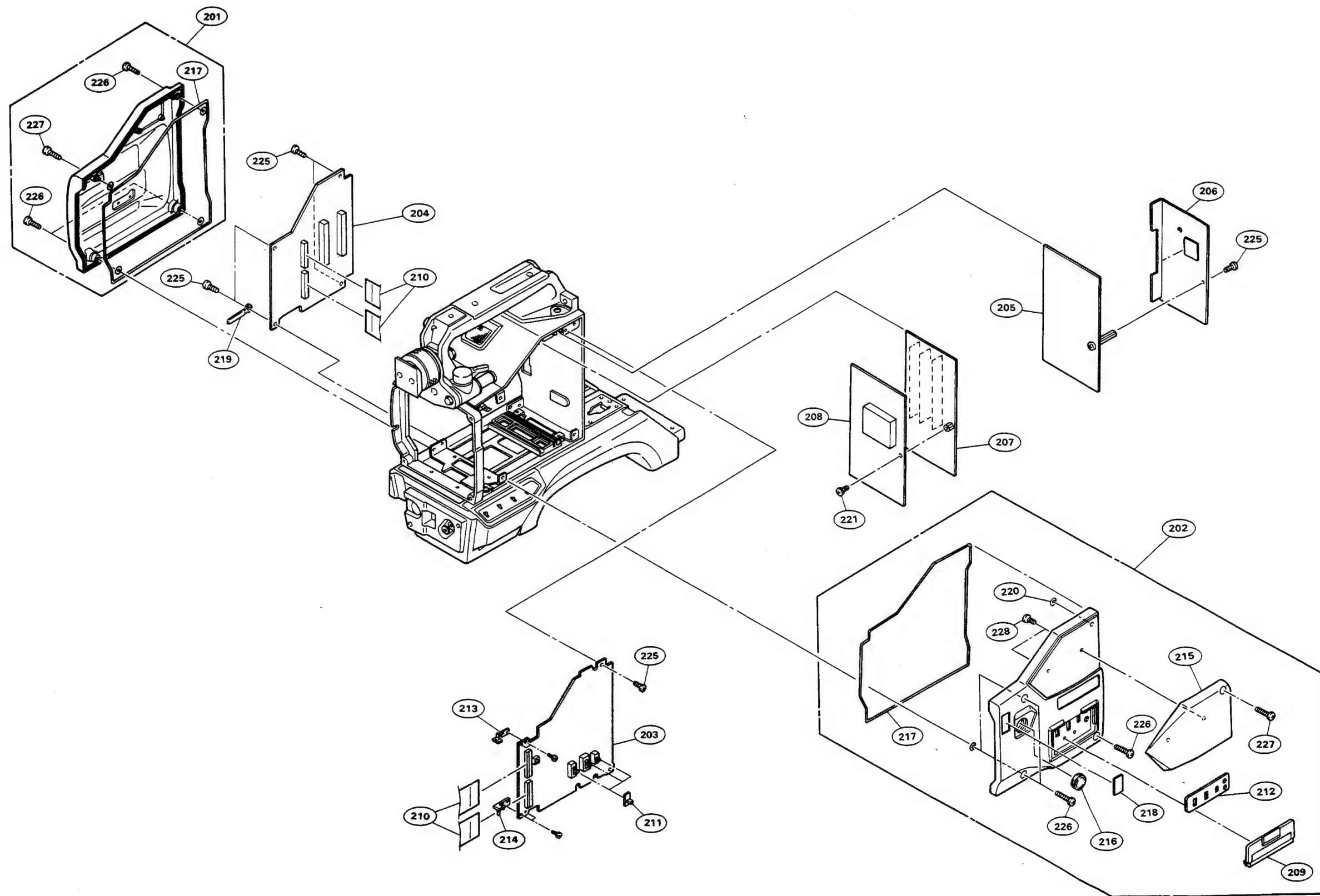
No.	Part No.	SP Description
101	A-7420-201-A	o CHASSIS ASSY, BASE
102	A-7612-352-A	s SHOE (A) ASSY, V
103	X-3165-705-1	o GRILLE ASSY, MICROPHONE
104	X-3165-716-2	o PANEL ASSY, SIDE SW
105	X-3744-307-1	s SUSPENSION ASSY
106	1-542-126-31	s MICROPHONE UNIT
107	1-554-486-00	s SWITCH, TOGGLE
108	1-561-320-00	s SOCKET, DIN 8P
109	1-561-781-21	s CONNECTOR, BNC "VIDEO OUT"
110	1-562-221-21	s CONNECTOR, 12P "LENS"
111	1-562-782-21	s CONNECTOR, 10P "REMOTE VF"
112	1-572-659-11	s SWITCH, TOGGLE "POWER"
113	1-948-168-11	o HARNESS (CN)
114	2-277-468-01	o PLATE, ORNAMENTAL, CAMERA SHOE
115	3-168-324-02	o LID (B), HANDLE
116	3-168-328-01	o BRACKET, MICROPHONE COVER
117	3-168-329-01	o BRACKET, MICROPHONE
118	3-168-330-01	o BRACKET (FRONT UPPER), PC BOARD
119	3-168-331-01	o BRACKET (REAR UPPER), PC BOARD
120	3-168-332-01	o BRACKET (REAR LOWER), PC BOARD
121	3-168-333-01	o BRACKET (FRONT LOWER), PC BOARD
122	3-168-334-01	o SPRING, AT
123	3-168-335-01	o SHOE (2), VF SLIDE
124	3-168-337-02	s FOOT
125	3-168-338-01	s SHOE, STOPPER
126	3-168-339-01	o COVER, BOTTOM
127	3-168-340-01	o LABEL (POWER)
128	3-168-341-01	o LABEL (VIDEO OUT)
129	3-168-342-01	o LABEL (LENS)
130	3-168-355-01	o PLATE, CN
131	3-168-360-01	o PANEL, FRONT SW
132	3-168-361-02	o TABLE (2), FIXED, VF SLIDE
133	3-168-362-01	o TABLE (2), FIXED, VF SHOE
134	3-168-363-02	o LID (A), HANDLE
135	3-168-364-01	o RAIL, PC BOARD
136	3-168-369-02	o HANDLE
137	3-168-370-03	o CABINET
138	3-168-372-01	s PAD, SHOULDER
139	3-169-037-01	o FILTER
140	3-169-268-02	o LID (C), HANDLE
141	3-657-700-00	s BRACKET, ACCESSORY
142	3-669-117-21	o SPACER, MOTOR
143	3-672-213-00	o SHEET, ADHESIVE
144	3-672-221-02	s PACKING, CONTROL
145	3-672-253-11	o RUBBER, CONDUCTIVE
146	3-673-046-00	s LEVER, LOCK
147	3-676-244-00	s COVER, SWITCH
148	3-687-116-01	o WASHER (4), STOPPER
149	3-689-039-11	s BOLT (M2X6), HOLE, HEXAGON
150	3-701-506-01	s SET SCREW, DOUBLE POINT 3X4
151	3-701-508-00	s SET SCREW, DOUBLE POINT 3X6
152	3-710-002-01	o BRACKET
153	3-710-018-01	o COLLAR, SLIDE
154	3-711-703-01	o STOPPER
155	3-711-790-01	o SPACER (A)
156	3-711-791-01	o ARM
157	3-711-792-01	o SCREW
158	3-711-793-01	o CUSHION (STOPPER)
159	3-711-794-01	o PIN, STOPPER
160	3-711-795-11	o RING (B), LOCK

No.	Part No.	SP Description
161	3-716-391-01	o WEDGE, MOUNTING
162	3-720-919-01	o RUBBER, LOCK RING
163	3-725-907-01	s BUSHING, BLIND
164	3-729-064-01	o GUARD (A), CAMERA SHOE
165	3-729-065-01	s SHOE (A), CAMERA
166	7-621-772-08	s SCREW +B 2X3
167	7-621-773-86	s SCREW +B 2.6X4
168	7-621-773-95	s SCREW +B 2.6X6
169	7-621-775-08	s SCREW +B 2.6X3
170	7-621-775-20	s SCREW +B 2.6X5
171	7-627-452-58	s SCREW +K 2X6 TYPE1
172	7-627-454-28	s SCREW, PRECISION +K 2.6X4.5
173	7-627-556-37	s SCREW, PRECISION +P2.6X4 TYPE 1
174	7-627-556-38	s SCREW +P 2.6X4.0
175	7-627-556-58	s PRECISION SCREW +P 2.6X5 TYPE1
176	7-682-160-09	s SCREW +P 4X6
177	7-682-262-09	s SCREW +K 4X10
178	7-682-546-04	s SCREW +B 3X5
179	7-682-547-04	s SCREW +B 3X6
180	7-682-547-09	s SCREW +B 3X6
181	7-682-562-04	s SCREW +B 4X10
182	7-682-964-01	s SCREW +PSW 4X14
183	7-682-563-09	s SCREW +B 4X12
184	7-682-947-01	s SCREW +PSW 3X6
185	7-683-419-04	s BOLT, HEXAGON SOCKET 4X8
186	7-683-427-04	s BOLT, HEXAGON SOCKET 4X25
187	7-685-234-19	s SCREW +KTP 2.6X8 TYPE2 N-S
188	7-688-004-02	s W 4, SMALL
189	7-623-307-07	s LW2.6, TYPE A
190	7-623-423-07	s LW4, TYPE B

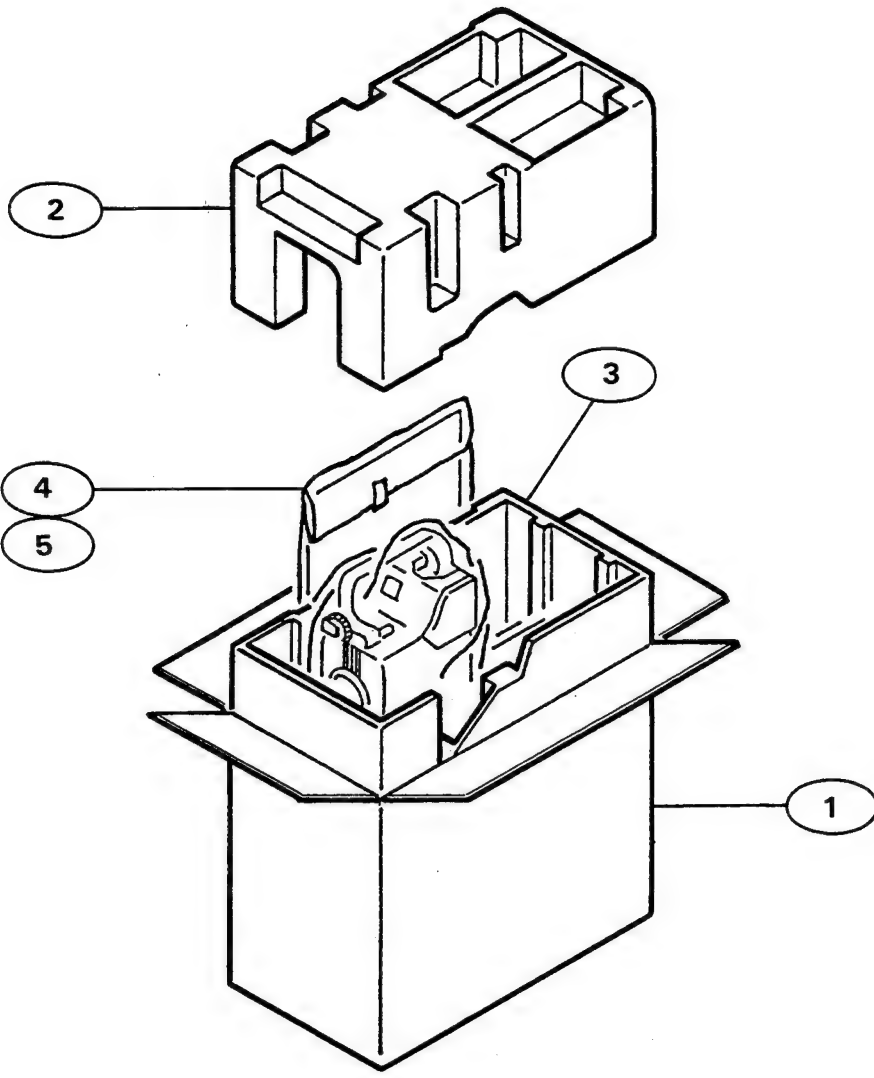
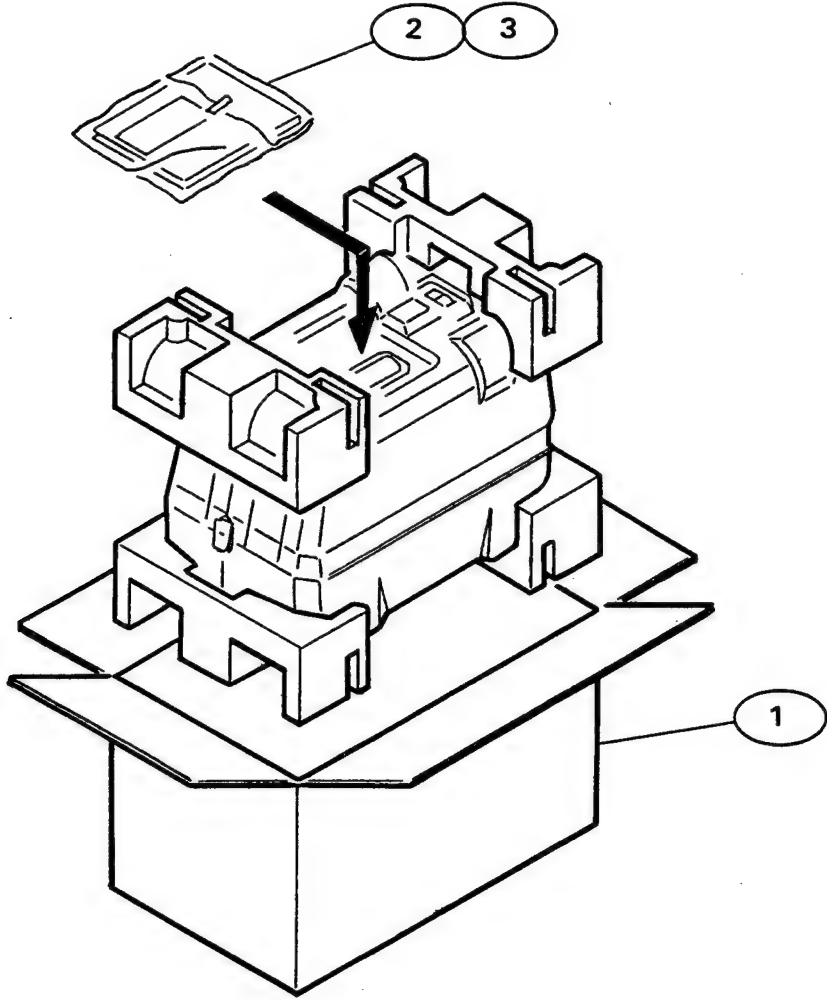
CHASSIS (2) BLOCK

No.	Part No.	SP Description
201	A-7420-205-A	o PLATE (L) ASSY, SIDE
202	A-7420-206-B	o PLATE (R) ASSY, SIDE
203	A-7515-282-A	o MOUNTED CIRCUIT BOARD, AT-59
204	A-7515-283-A	o MOUNTED CIRCUIT BOARD (N), MB-307 (for DXC-537)
	A-7515-284-A	o MOUNTED CIRCUIT BOARD (P), MB-307 (for DXC-537P)
205	A-7515-285-A	o MOUNTED CIRCUIT BOARD (U), EN-95 (for DXC-537)
	A-7515-287-A	o MOUNTED CIRCUIT BOARD (P), EN-95 (for DXC-537P)
206	A-7515-288-A	o MOUNTED CIRCUIT BOARD (N), SG-171 (for DXC-537)
	A-7515-289-A	o MOUNTED CIRCUIT BOARD (P), SG-171 (for DXC-537P)
207	A-7515-290-A	o MOUNTED CIRCUIT BOARD (U), PR-143 (for DXC-537)
	A-7515-291-A	o MOUNTED CIRCUIT BOARD (JEK), PR-143 (for DXC-537P)
208	A-7515-292-A	o MOUNTED CIRCUIT BOARD (N), IE-28
	A-7515-292-B	o MOUNTED CIRCUIT BOARD (N), IE-28 (S/N 10841 and higher) (for DXC-537)
	A-7515-293-A	o MOUNTED CIRCUIT BOARD (P), IE-28
	A-7515-293-B	o MOUNTED CIRCUIT BOARD (P), IE-28 (S/N 40691 and higher) (for DXC-537P)
209	X-3165-719-3	o LID ASSY, SIDE SW
210	1-590-489-11	s WIRE, FLAT TYPE (25 CORE)
211	3-167-445-01	s KNOB, SWITCH
212	3-168-350-01	o PLATE, SIDE PLATE
213	3-168-353-01	o BRACKET (UPPER), AT
214	3-168-354-01	o BRACKET (LOWER), AT
215	3-168-357-01	s PAD, PLATE, SIDE
216	3-672-221-02	s PACKING, CONTROL
217	3-672-253-11	o RUBBER, CONDUCTIVE
218	3-678-607-02	o LABEL, FILTER
219	3-701-822-00	o HOLDER, WIRE
220	7-621-775-08	s SCREW +B 2. 6X3
221	7-623-923-11	s WASHER 2. 6, NYLONE
222	7-624-200-01	s NUT, PUSH 1.5
223	7-627-450-58	s SCREW, PRECISION -K 1. 7X3
224	7-682-546-04	s SCREW +B 3X5
225	7-682-548-09	s SCREW +B 3X8
226	7-682-550-09	s SCREW +B 3X12
227	7-682-553-09	s SCREW +B 3X20
228	7-685-533-14	s SCREW +BTP 2. 6X6 TYPE2 N-S

CHASSIS (2) BLOCK



PACKING MATERIAL AND ACCESSORIES



DXC-537K

No.	Part No.	SP Description
1	3-169-725-01	o CARTON, INDIVIDUAL
2	3-752-841-23	s MANUAL, INSTRUCTION "ENGLISH"
3	3-752-841-33	s MANUAL, INSTRUCTION "FRENCH"
3	3-764-889-01	o CHART, ADJUSTMENT

DXC-537L

No.	Part No.	SP Description
1	3-169-727-01	o CARTON, INDIVIDUAL
2	3-752-841-23	s MANUAL, INSTRUCTION "ENGLISH"
3	3-752-841-33	s MANUAL, INSTRUCTION "FRENCH"
3	3-764-889-01	o CHART, ADJUSTMENT

DXC-537H

No.	Part No.	SP Description
1	3-171-970-01	o CARTON, INDIVIDUAL
2	3-171-972-01	o CUSHION (UPPER)
3	3-171-973-01	o CUSHION (LOWER)
4	3-752-841-23	s MANUAL, INSTRUCTION "ENGLISH"
4	3-752-841-33	s MANUAL, INSTRUCTION "FRENCH"
5	3-764-889-01	o CHART, ADJUSTMENT

EVW-537K

Q'ty	Part No.	SP Description
1pc	3-169-721-01	o INDIVIDUAL CARTON
1pc	3-698-917-01	o BELT, SHOULDER
1pc	3-744-355-01	o SHAFT, GUIDE
1pc	3-752-841-23	s MANUAL, INSTRUCTION "ENGLISH"
1pc	3-752-841-33	s MANUAL, INSTRUCTION "FRENCH"
1pc	3-752-874-01	s MANUAL, INSTRUCTION "W, W"
1pc	3-764-889-01	o CHART, ADJUSTMENT
2pcs	7-682-560-09	s SCREW +B 4X6
2pcs	7-682-563-09	s SCREW +B 4X12

ELECTRICAL PARTS

CAPACITOR, CHIP CERAMIC

Part No.	SP Description
1-163-083-00	s CAP, CHIP CERAMIC 1pF +-0.25pF 50V
1-163-085-00	s CAP, CHIP CERAMIC 2pF +-0.25pF 50V
1-163-087-00	s CAP, CHIP CERAMIC 4pF +-0.25pF 50V
1-163-089-00	s CAP, CHIP CERAMIC 6pF +-0.5pF 50V
1-163-091-00	s CAP, CHIP CERAMIC 8pF +-0.5pF 50V
1-163-093-00	s CAP, CHIP CERAMIC 10pF 5% 50V
1-163-097-00	s CAP, CHIP CERAMIC 15pF 5% 50V
1-163-101-00	s CAP, CHIP CERAMIC 22pF 5% 50V
1-163-105-00	s CAP, CHIP CERAMIC 33pF 5% 50V
1-163-109-00	s CAP, CHIP CERAMIC 47pF 5% 50V
1-163-113-00	s CAP, CHIP CERAMIC 68pF 5% 50V
1-163-117-00	s CAP, CHIP CERAMIC 100pF 5% 50V
1-163-121-00	s CAP, CHIP CERAMIC 150pF 5% 50V
1-163-125-00	s CAP, CHIP CERAMIC 220pF 5% 50V
1-163-129-00	s CAP, CHIP CERAMIC 330pF 5% 50V
1-163-133-00	s CAP, CHIP CERAMIC 470pF 5% 50V
1-163-137-00	s CAP, CHIP CERAMIC 680pF 5% 50V
1-163-141-00	s CAP, CHIP CERAMIC 1000pF 5% 50V
1-163-145-00	s CAP, CHIP CERAMIC 1500pF 10% 50V
1-164-161-11	s CAP, CHIP CERAMIC 2200pF 10% 100V
1-164-182-11	s CAP, CHIP CERAMIC 3300pF 10% 100V
1-163-017-00	s CAP, CHIP CERAMIC 4700pF 10% 50V
1-163-019-00	s CAP, CHIP CERAMIC 6800pF 10% 50V
1-164-232-11	s CAP, CHIP CERAMIC 0.01 20% 100V
1-163-023-00	s CAP, CHIP CERAMIC 0.015 10% 50V
1-163-034-00	s CAP, CHIP CERAMIC 0.033 50V
1-163-035-00	s CAP, CHIP CERAMIC 0.047 50V
1-163-036-00	s CAP, CHIP CERAMIC 0.068 50V
1-163-038-00	s CAP, CHIP CERAMIC 0.1 50V

RESISTOR, CHIP

Part No.	SP Description
1-216-295-00	s RES, CHIP 0 5% 1/10W
1-216-298-00	s RES, CHIP 2.2 5% 1/10W
1-216-302-00	s RES, CHIP 2.7 5% 1/10W
1-216-304-11	s RES, CHIP 3.3 5% 1/10W
1-216-306-11	s RES, CHIP 3.9 5% 1/10W
1-216-308-00	s RES, CHIP 4.7 5% 1/10W
1-216-309-00	s RES, CHIP 5.6 5% 1/10W
1-216-311-00	s RES, CHIP 6.8 5% 1/10W
1-216-313-00	s RES, CHIP 8.2 5% 1/10W
1-216-001-00	s RES, CHIP 10 5% 1/10W
1-216-003-11	s RES, CHIP 12 5% 1/10W
1-216-005-00	s RES, CHIP 15 5% 1/10W
1-216-007-00	s RES, CHIP 18 5% 1/10W
1-216-009-00	s RES, CHIP 22 5% 1/10W
1-216-011-00	s RES, CHIP 27 5% 1/10W
1-216-013-00	s RES, CHIP 33 5% 1/10W
1-216-015-00	s RES, CHIP 39 5% 1/10W
1-216-017-00	s RES, CHIP 47 5% 1/10W
1-216-019-00	s RES, CHIP 56 5% 1/10W
1-216-021-00	s RES, CHIP 68 5% 1/10W
1-216-023-00	s RES, CHIP 82 5% 1/10W
1-216-025-00	s RES, CHIP 100 5% 1/10W
1-216-027-00	s RES, CHIP 120 5% 1/10W
1-216-029-00	s RES, CHIP 150 5% 1/10W
1-216-031-00	s RES, CHIP 180 5% 1/10W
1-216-033-00	s RES, CHIP 220 5% 1/10W
1-216-035-00	s RES, CHIP 270 5% 1/10W
1-216-037-00	s RES, CHIP 330 5% 1/10W
1-216-039-00	s RES, CHIP 390 5% 1/10W
1-216-041-00	s RES, CHIP 470 5% 1/10W
1-216-043-00	s RES, CHIP 560 5% 1/10W
1-216-045-00	s RES, CHIP 680 5% 1/10W
1-216-047-00	s RES, CHIP 820 5% 1/10W
1-216-049-00	s RES, CHIP 1k 5% 1/10W
1-216-051-00	s RES, CHIP 1.2k 5% 1/10W
1-216-053-00	s RES, CHIP 1.5k 5% 1/10W
1-216-055-00	s RES, CHIP 1.8k 5% 1/10W
1-216-057-00	s RES, CHIP 2.2k 5% 1/10W
1-216-059-00	s RES, CHIP 2.7k 5% 1/10W
1-216-061-00	s RES, CHIP 3.3k 5% 1/10W
1-216-063-00	s RES, CHIP 3.9k 5% 1/10W
1-216-065-00	s RES, CHIP 4.7k 5% 1/10W
1-216-067-00	s RES, CHIP 5.6k 5% 1/10W
1-216-069-00	s RES, CHIP 6.8k 5% 1/10W
1-216-071-00	s RES, CHIP 8.2k 5% 1/10W
1-216-073-00	s RES, CHIP 10k 5% 1/10W
1-216-075-00	s RES, CHIP 12k 5% 1/10W
1-216-077-00	s RES, CHIP 15k 5% 1/10W
1-216-079-00	s RES, CHIP 18k 5% 1/10W
1-216-081-00	s RES, CHIP 22k 5% 1/10W
1-216-083-00	s RES, CHIP 27k 5% 1/10W
1-216-085-00	s RES, CHIP 33k 5% 1/10W
1-216-748-11	s RES, CHIP 39k 5% 1/10W
1-216-089-00	s RES, CHIP 47k 5% 1/10W
1-216-091-00	s RES, CHIP 56k 5% 1/10W

RESISTOR, CHIP

Part No. SP Description

1-216-093-00	s	RES, CHIP	68k	5%	1/10W
1-216-095-00	s	RES, CHIP	82k	5%	1/10W
1-216-097-00	s	RES, CHIP	100k	5%	1/10W
1-216-099-00	s	RES, CHIP	120k	5%	1/10W
1-216-101-00	s	RES, CHIP	150k	5%	1/10W
1-216-103-00	s	RES, CHIP	180k	5%	1/10W
1-216-105-00	s	RES, CHIP	220k	5%	1/10W
1-216-107-00	s	RES, CHIP	270k	5%	1/10W
1-216-109-00	s	RES, CHIP	330k	5%	1/10W
1-216-111-00	s	RES, CHIP	390k	5%	1/10W
1-216-113-00	s	RES, CHIP	470k	5%	1/10W
1-216-115-00	s	RES, CHIP	560k	5%	1/10W
1-216-117-00	s	RES, CHIP	680k	5%	1/10W
1-216-119-00	s	RES, CHIP	820k	5%	1/10W
1-216-121-00	s	RES, CHIP	1.0M	5%	1/10W
1-216-123-11	s	RES, CHIP	1.2M	5%	1/10W
1-216-125-00	s	RES, CHIP	1.5M	5%	1/10W
1-216-127-11	s	RES, CHIP	1.8M	5%	1/10W
1-216-129-00	s	RES, CHIP	2.2M	5%	1/10W
1-216-131-11	s	RES, CHIP	2.7M	5%	1/10W
1-216-133-00	s	RES, CHIP	3.3M	5%	1/10W

 AT-59 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-7515-282-A	o MOUNTED CIRCUIT BOARD, AT-59
1pc	3-168-353-01	o BRACKET (UPPER), AT
1pc	3-168-354-01	o BRACKET (LOWER), AT
1pc	7-621-772-18	s SCREW +B 2X4
3pcs	3-167-445-02	s KNOB, SWITCH
C1	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C2	1-126-391-11	s ELECT, CHIP 47uF 20% 6.3V
C3	1-126-391-11	s ELECT, CHIP 47uF 20% 6.3V
C4	1-126-393-11	s ELECT 33uF 20% 10V
C5	1-126-393-11	s ELECT 33uF 20% 10V
C6	1-126-393-11	s ELECT 33uF 20% 10V
C8	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C9	1-163-251-11	s CERAMIC 100PF 5% 50V
C10	1-135-177-21	s TANTALUM CHIP 1uF 10% 25V
C11	1-135-177-21	s TANTALUM CHIP 1uF 10% 25V
C13	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C14	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C16	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C18	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C20	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C21	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C22	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C23	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C24	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C25	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C26	1-126-398-11	s ELECT, CHIP 4.7uF 20% 35V
C27	1-126-398-11	s ELECT, CHIP 4.7uF 20% 35V
C28	1-126-398-11	s ELECT, CHIP 4.7uF 20% 35V
C29	1-126-398-11	s ELECT, CHIP 4.7uF 20% 35V
C30	1-126-397-11	s ELECT, CHIP 33uF 20% 25V
C34	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C35	1-126-401-11	s ELECT, CHIP 1uF 20% 50V
C36	1-126-401-11	s ELECT, CHIP 1uF 20% 50V
C39	1-126-401-11	s ELECT, CHIP 1uF 20% 50V
C41	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C43	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C45	1-163-243-11	s CERAMIC 47PF 5% 50V
C46	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C47	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C48	1-163-239-11	s CERAMIC 33PF 5% 50V
C49	1-163-239-11	s CERAMIC 33PF 5% 50V
C50	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C51	1-163-275-11	s CERAMIC 0.001uF 5% 50V
C52	1-163-275-11	s CERAMIC 0.001uF 5% 50V
C53	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C55	1-126-401-11	s ELECT, CHIP 1uF 20% 50V
C62	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C63	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C64	1-163-239-11	s CERAMIC 33PF 5% 50V
C67	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C68	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C69	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C70	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C71	1-163-243-11	s CERAMIC 47PF 5% 50V
C78	1-126-397-11	s ELECT, CHIP 33uF 20% 25V
CN1	1-580-834-11	s CONNECTOR, FPC (2IF) 25P
CN2	1-580-834-11	s CONNECTOR, FPC (2IF) 25P
CN3	1-506-470-11	o CONNECTOR, 5P, MALE

(AT-59 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
CV1	1-141-368-11	s CAP, CHIP TRIMMER
D2	8-719-800-76	s DIODE 1SS226
D3	8-719-400-18	s DIODE MA152WK
D5	8-719-400-18	s DIODE MA152WK
D9	8-719-400-18	s DIODE MA152WK
D10	8-719-400-18	s DIODE MA152WK
D11	8-719-400-18	s DIODE MA152WK
D12	8-719-974-76	s DIODE HSM107S
D13	8-719-106-08	s DIODE RD6.2M-B2
D14	8-719-400-18	s DIODE MA152WK
D15	8-719-105-91	s DIODE RD5.6M-B2
D16	8-719-400-18	s DIODE MA152WK
D17	8-719-400-18	s DIODE MA152WK
D21	8-719-800-76	s DIODE 1SS226
D23	8-719-400-18	s DIODE MA152WK
IC1	8-759-300-71	s IC MC14053BF
IC2	8-759-101-12	s IC UPC311G2
IC3	8-759-981-65	s IC LM2903M
IC4	8-759-906-54	s IC TL064CNS
IC5	8-759-300-71	s IC MC14053BF
IC7	8-759-906-54	s IC TL064CNS
IC8	8-759-009-10	s IC MC14069UBF
IC9	8-759-323-64	s IC HD6305Y0E27F
IC10	8-759-977-80	s IC MB88342PF
IC11	8-759-977-80	s IC MB88342PF
IC12	8-759-009-05	s IC MC14051BF
IC13	8-759-008-74	s IC MC14001BF
IC14	8-759-906-54	s IC TL064CNS
IC15	8-759-906-54	s IC TL064CNS
IC16	8-759-112-72	s IC UPD6142G-101
IC17	8-759-906-54	s IC TL064CNS
IC18	8-759-300-71	s IC MC14053BF
IC19	8-759-633-29	s IC M6M80011L
IC20	8-759-009-10	s IC MC14069UBF
IC21	8-759-918-65	s IC TL7700CPS
L1	1-408-797-11	s CHIP 470uH
L2	1-408-797-11	s CHIP 470uH
L4	1-408-783-00	s CHIP 33uH
L5	1-408-786-21	s INDUCTOR CHIP 56uH
L6	1-408-783-00	s CHIP 33uH
Q1	8-729-216-22	s TRANSISTOR 2SA1162
Q2	8-729-216-22	s TRANSISTOR 2SA1162
Q3	8-729-216-22	s TRANSISTOR 2SA1162
Q4	8-729-100-66	s TRANSISTOR 2SC1623
Q5	8-729-402-19	s TRANSISTOR XN6501
Q6	8-729-402-19	s TRANSISTOR XN6501
Q7	8-729-100-66	s TRANSISTOR 2SC1623
Q8	8-729-402-84	s TRANSISTOR XN4601
Q9	8-729-402-84	s TRANSISTOR XN4601
Q10	8-729-141-53	s TRANSISTOR 2SK94-X2X3X4
Q11	8-729-100-66	s TRANSISTOR 2SC1623
Q12	8-729-402-19	s TRANSISTOR XN6501
Q13	8-729-403-32	s TRANSISTOR XN6534
Q14	8-729-402-84	s TRANSISTOR XN4601
Q16	8-729-402-84	s TRANSISTOR XN4601
Q17	8-729-141-53	s TRANSISTOR 2SK94-X2X3X4
Q18	8-729-800-37	s TRANSISTOR 2SD1048-X7
Q19	8-729-807-87	s TRANSISTOR 2SB1295-UL6

Please see pages D-13 and D-14 for the part numbers of capacitors and resistors that are not listed in the parts list.

(AT-59 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q20	8-729-402-19 s	TRANSISTOR XN6501
Q21	8-729-402-19 s	TRANSISTOR XN6501
Q22	8-729-100-66 s	TRANSISTOR 2SC1623
Q24	8-729-402-19 s	TRANSISTOR XN6501
Q25	8-729-100-66 s	TRANSISTOR 2SC1623
Q26	8-729-175-73 s	TRANSISTOR 2SC2757
R58	1-216-697-11 s	METAL, CHIP 82K 0.5% 1/10W
R65	1-216-697-11 s	METAL, CHIP 82K 0.5% 1/10W
R111	1-216-675-11 s	METAL, CHIP 10K 0.5% 1/10W
R112	1-216-675-11 s	METAL, CHIP 10K 0.5% 1/10W
R114	1-216-663-11 s	METAL, CHIP 3.3K 0.5% 1/10W
R115	1-216-691-11 s	METAL, CHIP 47K 0.5% 1/10W
R138	1-216-675-11 s	METAL, CHIP 10K 0.5% 1/10W
R139	1-216-675-11 s	METAL, CHIP 10K 0.5% 1/10W
R140	1-216-675-11 s	METAL, CHIP 10K 0.5% 1/10W
R141	1-216-685-11 s	METAL, CHIP 27K 0.5% 1/10W
R142	1-216-675-11 s	METAL, CHIP 10K 0.5% 1/10W
R146	1-216-675-11 s	METAL, CHIP 10K 0.5% 1/10W
R181	1-216-675-11 s	METAL, CHIP 10K 0.5% 1/10W
R182	1-216-665-11 s	METAL, CHIP 3.9K 0.5% 1/10W
R191	1-216-663-11 s	METAL, CHIP 3.3K 0.5% 1/10W
RB1	1-231-387-00 s	COMPOSITION CIRCUIT BLOCK
RV1	1-241-446-21 s	RES, ADJ, CERMET 2K
RV2	1-241-449-21 s	RES, ADJ, CERMET 20K
RV3	1-241-446-21 s	RES, ADJ, CERMET 2K
RV4	1-237-518-21 s	RES, ADJ, METAL 10K
RV5	1-237-518-21 s	RES, ADJ, METAL 10K
S1	1-570-854-11 s	SWITCH, SLIDE
S2	1-570-857-11 s	SWITCH, SLIDE
S3	1-554-174-00 s	SWITCH, TACTILE
S4	1-570-865-11 s	SWITCH, SLIDE
S5	1-570-836-11 s	SWITCH, SLIDE
X1	1-567-192-11 s	RESONATOR, CERAMIC 4.00MHz

CN-439 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-638-047-12 o	PC BOARD, CN-439
CN1	1-566-260-21 o	CONNECTOR, BOARD TO BOARD 14P
CN2	1-566-260-21 o	CONNECTOR, BOARD TO BOARD 14P
CN3	1-566-098-11 o	PIN, BOARD TO BOARD 14P
CN4	1-566-098-11 o	PIN, BOARD TO BOARD 14P

EN-95 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-7515-285-A o	MOUNTED CIRCUIT BOARD (U), EN-95
1pc	7-582-546-04 s	SCREW +B 3X5
1pc	2-280-622-41 o	SUPPORT (M3), HEXAGON
C1	1-126-395-11 s	ELECT, CHIP 22uF 20% 16V
C2	1-163-239-11 s	CERAMIC 33PF 5% 50V
C3	1-163-239-11 s	CERAMIC 33PF 5% 50V
C4	1-126-393-11 s	ELECT 33uF 20% 10V
C5	1-135-158-21 s	TANTALUM 15uF 10% 4V
C6	1-135-149-21 s	TANTALUM, CHIP 2.2uF 10% 10V
C7	1-163-251-11 s	CERAMIC 100PF 5% 50V
C8	1-135-181-21 s	TANTAL 4.7uF 10% 6.3V
C9	1-163-239-11 s	CERAMIC 33PF 5% 50V
C10	1-163-239-11 s	CERAMIC 33PF 5% 50V
C11	1-126-393-11 s	ELECT 33uF 20% 10V
C12	1-135-149-21 s	TANTALUM, CHIP 2.2uF 10% 10V
C13	1-163-251-11 s	CERAMIC 100PF 5% 50V
C14	1-135-181-21 s	TANTAL 4.7uF 10% 6.3V
C15	1-126-395-11 s	ELECT, CHIP 22uF 20% 16V
C21	1-126-394-11 s	ELECT, CHIP 10uF 20% 16V
C22	1-126-395-11 s	ELECT, CHIP 22uF 20% 16V
C23	1-163-224-11 s	CERAMIC 7PF 0.25PF 50V
C24	1-126-393-11 s	ELECT 33uF 20% 10V
C25	1-126-394-11 s	ELECT, CHIP 10uF 20% 16V
C26	1-126-394-11 s	ELECT, CHIP 10uF 20% 16V
C28	1-163-220-11 s	CERAMIC 3PF 0.25PF 50V
C30	1-126-396-11 s	ELECT, CHIP 47uF 20% 16V
C31	1-126-391-11 s	ELECT, CHIP 47uF 20% 6.3V
C33	1-163-239-11 s	CERAMIC 33PF 5% 50V
C34	1-163-115-00 s	CERAMIC, CHIP 82PF 5% 50V
C36	1-126-393-11 s	ELECT 33uF 20% 10V
C37	1-126-393-11 s	ELECT 33uF 20% 10V
C44	1-126-176-11 s	ELECT 220uF 20% 10V
C46	1-126-393-11 s	ELECT 33uF 20% 10V
C48	1-126-391-11 s	ELECT, CHIP 47uF 20% 6.3V
C50	1-126-391-11 s	ELECT, CHIP 47uF 20% 6.3V
C52	1-126-391-11 s	ELECT, CHIP 47uF 20% 6.3V
C53	1-163-251-11 s	CERAMIC 100PF 5% 50V
C55	1-163-239-11 s	CERAMIC 33PF 5% 50V
C57	1-135-162-21 s	TANTAL 33uF 10% 6.3V
C58	1-163-235-11 s	CERAMIC 22PF 5% 50V
C59	1-163-243-11 s	CERAMIC 47PF 5% 50V
C60	1-163-227-11 s	CERAMIC 10PF 5% 50V
C61	1-126-395-11 s	ELECT, CHIP 22uF 20% 16V
C64	1-163-251-11 s	CERAMIC 100PF 5% 50V
C65	1-126-396-11 s	ELECT, CHIP 47uF 20% 16V
C66	1-126-391-11 s	ELECT, CHIP 47uF 20% 6.3V
C67	1-126-393-11 s	ELECT 33uF 20% 10V
C70	1-126-390-11 s	ELECT, CHIP 22uF 20% 6.3V
C71	1-126-393-11 s	ELECT 33uF 20% 10V
C72	1-126-390-11 s	ELECT, CHIP 22uF 20% 6.3V
C76	1-126-390-11 s	ELECT, CHIP 22uF 20% 6.3V
C77	1-126-390-11 s	ELECT, CHIP 22uF 20% 6.3V
C78	1-126-391-11 s	ELECT, CHIP 47uF 20% 6.3V
C80	1-126-390-11 s	ELECT, CHIP 22uF 20% 6.3V
C82	1-163-243-11 s	CERAMIC 47PF 5% 50V
C83	1-163-243-11 s	CERAMIC 47PF 5% 50V
C84	1-163-243-11 s	CERAMIC 47PF 5% 50V
C85	1-163-243-11 s	CERAMIC 47PF 5% 50V

Please see pages D-13 and D-14 for the part numbers of capacitors and resistors that are not listed in the parts list.

(EN-95 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C86	1-163-113-00	s CERAMIC 68PF 5% 50V
C87	1-135-216-11	s TANTAL 10uF 20% 10V
C90	1-135-216-11	s TANTAL 10uF 20% 10V
C91	1-126-391-11	s ELECT, CHIP 47uF 20% 6.3V
CN1	1-565-780-11	o CONNECTOR, TX(P.L) (PC BOARD) 50P
D1	8-719-800-76	s DIODE 1SS226
D3	8-719-800-76	s DIODE 1SS226
DL1	1-415-813-11	s DELAY LINE
FL1	1-235-161-00	s FILTER, BANDPASS 3.58MHz
IC1	8-759-906-59	s IC CX22017
IC2	8-759-925-74	s IC SN74HC04ANS
IC4	8-759-981-65	s IC LM2903M
IC5	8-759-907-21	s IC CX-7969
IC6	8-759-911-77	s IC CX-7968A
IC8	8-759-234-20	s IC TC7S08F
IC9	8-759-710-24	s IC NJM319M
IC10	8-759-209-15	s IC TC4SU69F
L1	1-408-785-21	s CHIP 47uH
L2	1-408-795-21	s CHIP 330uH
L3	1-408-795-21	s CHIP 330uH
L4	1-408-785-21	s CHIP 47uH
L6	1-408-785-21	s CHIP 47uH
L8	1-408-785-21	s CHIP 47uH
L9	1-408-788-21	s INDUCTOR CHIP 82uH
L10	1-408-783-00	s CHIP 33uH
L12	1-408-785-21	s CHIP 47uH
L14	1-408-783-00	s CHIP 33uH
LV1	1-408-844-00	s INDUCTOR, VAR, 22uH
Q1	8-729-402-19	s TRANSISTOR XN6501
Q2	8-729-402-19	s TRANSISTOR XN6501
Q4	8-729-402-19	s TRANSISTOR XN6501
Q5	8-729-402-19	s TRANSISTOR XN6501
Q7	8-729-402-19	s TRANSISTOR XN6501
Q8	8-729-402-19	s TRANSISTOR XN6501
Q9	8-729-402-19	s TRANSISTOR XN6501
Q10	8-729-122-63	s TRANSISTOR 2SA1226
Q11	8-729-402-19	s TRANSISTOR XN6501
Q12	8-729-402-78	s TRANSISTOR XN6401
Q13	8-729-402-84	s TRANSISTOR XN4601
Q14	8-729-216-22	s TRANSISTOR 2SA1162
Q15	8-729-100-66	s TRANSISTOR 2SC1623
Q16	8-729-403-32	s TRANSISTOR XN6534
Q17	8-729-403-32	s TRANSISTOR XN6534
Q18	8-729-216-22	s TRANSISTOR 2SA1162
Q19	8-729-402-19	s TRANSISTOR XN6501
Q20	8-729-402-78	s TRANSISTOR XN6401
Q22	8-729-403-32	s TRANSISTOR XN6534
Q24	8-729-402-19	s TRANSISTOR XN6501
Q25	8-729-402-78	s TRANSISTOR XN6401
Q27	8-729-403-29	s TRANSISTOR XN6435
Q28	8-729-402-84	s TRANSISTOR XN4601
Q29	8-729-403-29	s TRANSISTOR XN6435
Q30	8-729-402-78	s TRANSISTOR XN6401
Q31	8-729-402-78	s TRANSISTOR XN6401
Q32	8-729-402-84	s TRANSISTOR XN4601

(EN-95 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q33	8-729-216-22	s TRANSISTOR 2SA1162
Q34	8-729-402-19	s TRANSISTOR XN6501
Q35	8-729-402-19	s TRANSISTOR XN6501
Q36	8-729-216-22	s TRANSISTOR 2SA1162
Q37	8-729-402-78	s TRANSISTOR XN6401
Q38	8-729-402-19	s TRANSISTOR XN6501
Q39	8-729-402-19	s TRANSISTOR XN6501
Q40	8-729-216-22	s TRANSISTOR 2SA1162
Q41	8-729-402-78	s TRANSISTOR XN6401
Q42	8-729-402-19	s TRANSISTOR XN6501
Q43	8-729-402-19	s TRANSISTOR XN6501
Q44	8-729-216-22	s TRANSISTOR 2SA1162
Q45	8-729-402-78	s TRANSISTOR XN6401
Q46	8-729-402-19	s TRANSISTOR XN6501
Q47	8-729-402-84	s TRANSISTOR XN4601
Q48	8-729-100-66	s TRANSISTOR 2SC1623
Q49	8-729-100-66	s TRANSISTOR 2SC1623
Q50	8-729-402-84	s TRANSISTOR XN4601
R1	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R2	1-216-679-11	s METAL, CHIP 15K 0.5% 1/10W
R3	1-216-683-11	s METAL, CHIP 22K 0.5% 1/10W
R5	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R6	1-241-444-11	s RES, ADJ, CERMET 500
R9	1-216-639-11	s METAL, CHIP 330 0.5% 1/10W
R12	1-241-444-11	s RES, ADJ, CERMET 500
R13	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R14	1-216-683-11	s METAL, CHIP 22K 0.5% 1/10W
R15	1-216-683-11	s METAL, CHIP 22K 0.5% 1/10W
R16	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R17	1-216-679-11	s METAL, CHIP 15K 0.5% 1/10W
R18	1-216-683-11	s METAL, CHIP 22K 0.5% 1/10W
R21	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W
R27	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R28	1-216-683-11	s METAL, CHIP 22K 0.5% 1/10W
R29	1-216-683-11	s METAL, CHIP 22K 0.5% 1/10W
R33	1-216-644-11	s METAL, CHIP 510 0.5% 1/10W
R36	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R37	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R38	1-216-653-11	s METAL, CHIP 1.2K 0.5% 1/10W
R42	1-216-665-11	s METAL, CHIP 3.9K 0.5% 1/10W
R43	1-216-681-11	s METAL, CHIP 18K 0.5% 1/10W
R47	1-216-623-11	s METAL, CHIP 68 0.5% 1/10W
R48	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R49	1-216-660-11	s METAL, CHIP 2.4K 0.5% 1/10W
R51	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R56	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R67	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R69	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R71	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R72	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R73	1-216-641-11	s METAL, CHIP 390 0.5% 1/10W
R76	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R77	1-216-669-11	s METAL, CHIP 5.6K 0.5% 1/10W
R78	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R89	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R90	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R93	1-216-641-11	s METAL, CHIP 390 0.5% 1/10W
R94	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W

Please see pages D-13 and D-14 for the part numbers of capacitors and resistors that are not listed in the parts list.

(EN-95 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R95	1-216-693-11 s	METAL, CHIP 56K 0.5% 1/10W
R96	1-216-679-11 s	METAL, CHIP 15K 0.5% 1/10W
R97	1-216-687-11 s	METAL, CHIP 33K 0.5% 1/10W
R104	1-216-649-11 s	METAL, CHIP 820 0.5% 1/10W
R105	1-216-683-11 s	METAL, CHIP 22K 0.5% 1/10W
R107	1-216-673-11 s	METAL, CHIP 8.2K 0.5% 1/10W
R108	1-216-660-11 s	METAL, CHIP 2.4K 0.5% 1/10W
R109	1-216-677-11 s	METAL, CHIP 12K 0.5% 1/10W
R110	1-216-667-11 s	METAL, CHIP 4.7K 0.5% 1/10W
R111	1-216-673-11 s	METAL, CHIP 8.2K 0.5% 1/10W
R112	1-216-651-11 s	METAL, CHIP 1K 0.5% 1/10W
R115	1-216-679-11 s	METAL, CHIP 15K 0.5% 1/10W
R118	1-216-667-11 s	METAL, CHIP 4.7K 0.5% 1/10W
R119	1-216-667-11 s	METAL, CHIP 4.7K 0.5% 1/10W
R123	1-216-658-11 s	METAL, CHIP 2K 0.5% 1/10W
R127	1-216-644-11 s	METAL, CHIP 510 0.5% 1/10W
R128	1-216-644-11 s	METAL, CHIP 510 0.5% 1/10W
R139	1-216-619-11 s	METAL, CHIP 47 0.5% 1/10W
R144	1-216-685-11 s	METAL, CHIP 27K 0.5% 1/10W
R145	1-216-675-11 s	METAL, CHIP 10K 0.5% 1/10W
R146	1-216-676-11 s	METAL, CHIP 11K 0.5% 1/10W
R147	1-216-679-11 s	METAL, CHIP 15K 0.5% 1/10W
R153	1-216-623-11 s	METAL, CHIP 68 0.5% 1/10W
R159	1-216-685-11 s	METAL, CHIP 27K 0.5% 1/10W
R160	1-216-675-11 s	METAL, CHIP 10K 0.5% 1/10W
R161	1-216-679-11 s	METAL, CHIP 15K 0.5% 1/10W
R162	1-216-676-11 s	METAL, CHIP 11K 0.5% 1/10W
R169	1-216-623-11 s	METAL, CHIP 68 0.5% 1/10W
R173	1-216-685-11 s	METAL, CHIP 27K 0.5% 1/10W
R174	1-216-675-11 s	METAL, CHIP 10K 0.5% 1/10W
R175	1-216-679-11 s	METAL, CHIP 15K 0.5% 1/10W
R176	1-216-676-11 s	METAL, CHIP 11K 0.5% 1/10W
R183	1-216-623-11 s	METAL, CHIP 68 0.5% 1/10W
R202	1-216-681-11 s	METAL, CHIP 18K 0.5% 1/10W
R203	1-216-631-11 s	METAL, CHIP 150 0.5% 1/10W
R204	1-216-677-11 s	METAL, CHIP 12K 0.5% 1/10W
R231	1-216-624-11 s	METAL, CHIP 75 0.5% 1/10W
R233	1-216-685-11 s	METAL, CHIP 27K 0.5% 1/10W
R240	1-216-659-11 s	METAL, CHIP 2.2K 0.5% 1/10W
R241	1-216-659-11 s	METAL, CHIP 2.2K 0.5% 1/10W
RV1	1-241-263-11 s	RES, ADJ, CERMET 5K
RV2	1-241-445-21 s	RES, ADJ, CERMET 1K
RV4	1-241-263-11 s	RES, ADJ, CERMET 5K
RV5	1-241-445-21 s	RES, ADJ, CERMET 1K
RV7	1-241-262-11 s	RES, ADJ, CERMET 2K
RV8	1-241-260-11 s	RES, ADJ, CERMET 500
RV9	1-241-265-11 s	RES, ADJ, CERMET 20K
RV10	1-241-447-21 s	RES, ADJ, CERMET 5K
RV11	1-241-261-11 s	RES, ADJ, CERMET 1K
RV13	1-241-449-21 s	RES, ADJ, CERMET 20K
RV14	1-241-449-21 s	RES, ADJ, CERMET 20K
RV15	1-241-449-21 s	RES, ADJ, CERMET 20K
RV16	1-241-264-11 s	RES, ADJ, CERMET 10K
RV17	1-241-260-11 s	RES, ADJ, CERMET 500
RV18	1-241-260-11 s	RES, ADJ, CERMET 500
S1	1-570-853-11 s	SWITCH, SLIDE
S2	1-570-863-11 s	SWITCH, SLIDE

IE-28 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-7515-292-B o	MOUNTED CIRCUIT BOARD, IE-28 (N)
1pc	3-172-381-01 o	PLATE (IE), SHIELD
C1	1-126-392-11 s	ELECT, CHIP 100uF 20% 6.3V
C3	1-163-227-11 s	CERAMIC 10PF 5% 50V
C4	1-126-392-11 s	ELECT, CHIP 100uF 20% 6.3V
C6	1-135-160-21 s	TANTAL 15uF 10% 16V
C7	1-135-160-21 s	TANTAL 15uF 10% 16V
C8	1-163-251-11 s	CERAMIC 100PF 5% 50V
C10	1-163-227-11 s	CERAMIC 10PF 5% 50V
C12	1-135-216-11 s	TANTAL 10uF 20% 10V
C16	1-126-396-11 s	ELECT, CHIP 47uF 20% 16V
C17	1-135-216-11 s	TANTAL 10uF 20% 10V
C19	1-135-216-11 s	TANTAL 10uF 20% 10V
C25	1-163-239-11 s	CERAMIC 33PF 5% 50V
C26	1-126-392-11 s	ELECT, CHIP 100uF 20% 6.3V
C27	1-135-161-21 s	TANTALUM, CHIP 22uF 10% 10V
C28	1-126-392-11 s	ELECT, CHIP 100uF 20% 6.3V
C31	1-163-243-11 s	CERAMIC 47PF 5% 50V
C32	1-135-161-21 s	TANTALUM, CHIP 22uF 10% 10V
C33	1-163-239-11 s	CERAMIC 33PF 5% 50V
C39	1-126-392-11 s	ELECT, CHIP 100uF 20% 6.3V
C41	1-126-396-11 s	ELECT, CHIP 47uF 20% 16V
C42	1-126-392-11 s	ELECT, CHIP 100uF 20% 6.3V
C46	1-135-210-11 s	TANTALUM 4.7uF 10% 10V
C47	1-135-210-11 s	TANTALUM 4.7uF 10% 10V
C48	1-163-251-11 s	CERAMIC 100PF 5% 50V
C50	1-135-177-21 s	TANTALUM CHIP 1uF 10% 25V
C51	1-135-177-21 s	TANTALUM CHIP 1uF 10% 25V
C52	1-135-177-21 s	TANTALUM CHIP 1uF 10% 25V
C53	1-135-177-21 s	TANTALUM CHIP 1uF 10% 25V
C56	1-135-216-11 s	TANTAL 10uF 20% 10V
C62	1-163-239-11 s	CERAMIC 33PF 5% 50V
C63	1-126-392-11 s	ELECT, CHIP 100uF 20% 6.3V
C65	1-126-392-11 s	ELECT, CHIP 100uF 20% 6.3V
C66	1-163-239-11 s	CERAMIC 33PF 5% 50V
C68	1-163-239-11 s	CERAMIC 33PF 5% 50V
C74	1-135-145-11 s	TANTALUM, CHIP 0.47uF 10% 35V
C75	1-135-145-11 s	TANTALUM, CHIP 0.47uF 10% 35V
C76	1-135-145-11 s	TANTALUM, CHIP 0.47uF 10% 35V
C77	1-135-145-11 s	TANTALUM, CHIP 0.47uF 10% 35V
C78	1-126-394-11 s	ELECT, CHIP 10uF 20% 16V
C82	1-135-216-11 s	TANTAL 10uF 20% 10V
C83	1-135-216-11 s	TANTAL 10uF 20% 10V
C85	1-163-239-11 s	CERAMIC 33PF 5% 50V
C86	1-163-239-11 s	CERAMIC 33PF 5% 50V
C90	1-135-216-11 s	TANTAL 10uF 20% 10V
C91	1-135-161-21 s	TANTALUM, CHIP 22uF 10% 10V
C92	1-135-161-21 s	TANTALUM, CHIP 22uF 10% 10V
C93	1-135-160-21 s	TANTAL 15uF 10% 16V
C94	1-135-216-11 s	TANTAL 10uF 20% 10V
C95	1-135-177-21 s	TANTALUM CHIP 1uF 10% 25V
C97	1-135-177-21 s	TANTALUM CHIP 1uF 10% 25V
C101	1-126-392-11 s	ELECT, CHIP 100uF 20% 6.3V
C102	1-126-392-11 s	ELECT, CHIP 100uF 20% 6.3V
C104	1-126-391-11 s	ELECT, CHIP 47uF 20% 6.3V
C105	1-126-392-11 s	ELECT, CHIP 100uF 20% 6.3V
C106	1-163-220-11 s	CERAMIC 3PF 0.25PF 50V
C107	1-135-161-21 s	TANTALUM, CHIP 22uF 10% 10V

Please see pages D-13 and D-14 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IE-28 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C108	1-126-395-11 s	ELECT, CHIP 22uF 20% 16V
C109	1-126-391-11 s	ELECT, CHIP 47uF 20% 6.3V
C111	1-135-166-21 s	TANTALUM, CHIP 47uF 10% 10V
C112	1-135-210-11 s	TANTALUM 4.7uF 10% 10V
C113	1-135-161-21 s	TANTALUM, CHIP 22uF 10% 10V
C114	1-135-160-21 s	TANTAL 15uF 10% 16V
C115	1-163-239-11 s	CERAMIC 33PF 5% 50V
C116	1-126-392-11 s	ELECT, CHIP 100uF 20% 6.3V
C117	1-135-216-11 s	TANTAL 10uF 20% 10V
C118	1-135-216-11 s	TANTAL 10uF 20% 10V
C119	1-163-251-11 s	CERAMIC 100PF 5% 50V
C120	1-135-216-11 s	TANTAL 10uF 20% 10V
C121	1-135-216-11 s	TANTAL 10uF 20% 10V
C122	1-163-235-11 s	CERAMIC 22PF 5% 50V
CN2	1-566-270-21 o	CONNECTOR, BOARD TO BOARD 8P
CN3	1-566-276-21 o	CONNECTOR, BOARD TO BOARD 14P
CV1	1-141-370-11 s	CAP, CHIP TRIMMER
CV2	1-141-311-11 s	CAR, TRIMMER 20PF
CV3	1-141-311-11 s	CAR, TRIMMER 20PF
D1	8-719-800-76 s	DIODE 1SS226
D2	8-719-800-76 s	DIODE 1SS226
D3	8-719-800-76 s	DIODE 1SS226
D4	8-719-101-98 s	DIODE 1SS97-0
D5	8-719-101-98 s	DIODE 1SS97-0
DL1	1-415-814-11 s	DELAY LINE
DL2	1-415-502-11 s	DELAY LINE 100ns
DL3	1-415-433-11 s	DELAY LINE 30ns
IC1	8-759-981-51 s	IC RC1496M
IC5	8-759-981-51 s	IC RC1496M
IC6	8-759-300-71 s	IC MC14053BF
IC7	8-759-242-64 s	IC TC4W53F
IC8	8-759-200-71 s	IC TC4017BF
IC9	8-759-200-84 s	IC TC4081BF
IC10	8-759-908-17 s	IC TL082CPS
IC11	8-759-300-71 s	IC MC14053BF
IC12	8-759-906-53 s	IC TL062CPS
IC13	8-759-242-64 s	IC TC4W53F
L1	1-408-777-00 s	CHIP 10uH
L2	1-408-785-21 s	CHIP 47uH
L3	1-410-717-31 s	INDUCTOR, CHIP 100uH
L4	1-408-785-21 s	CHIP 47uH
L5	1-410-703-21 s	INDUCTOR, CHIP 6.8uH
L6	1-410-703-21 s	INDUCTOR, CHIP 6.8uH
L7	1-408-785-21 s	CHIP 47uH
L8	1-410-711-31 s	INDUCTOR CHIP 33UH
L9	1-410-711-31 s	INDUCTOR CHIP 33UH
L10	1-408-797-11 s	CHIP 470uH
L11	1-408-785-21 s	CHIP 47uH
L12	1-408-785-21 s	CHIP 47uH
L13	1-408-781-00 s	CHIP 22uH
Q1	8-729-100-66 s	TRANSISTOR 2SC1623
Q2	8-729-100-66 s	TRANSISTOR 2SC1623
Q3	8-729-175-73 s	TRANSISTOR 2SC2757
Q4	8-729-216-22 s	TRANSISTOR 2SA1162
Q5	8-729-216-22 s	TRANSISTOR 2SA1162
Q6	8-729-175-73 s	TRANSISTOR 2SC2757
Q7	8-729-175-73 s	TRANSISTOR 2SC2757

(IE-28 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q8	8-729-122-63 s	TRANSISTOR 2SA1226
Q9	8-729-175-73 s	TRANSISTOR 2SC2757
Q10	8-729-122-63 s	TRANSISTOR 2SA1226
Q11	8-729-175-73 s	TRANSISTOR 2SC2757
Q12	8-729-175-73 s	TRANSISTOR 2SC2757
Q13	8-729-109-44 s	TRANSISTOR 2SK94
Q14	8-729-175-73 s	TRANSISTOR 2SC2757
Q15	8-729-175-73 s	TRANSISTOR 2SC2757
Q16	8-729-122-63 s	TRANSISTOR 2SA1226
Q17	8-729-122-63 s	TRANSISTOR 2SA1226
Q18	8-729-122-63 s	TRANSISTOR 2SA1226
Q19	8-729-175-73 s	TRANSISTOR 2SC2757
Q21	8-729-175-73 s	TRANSISTOR 2SC2757
Q22	8-729-100-66 s	TRANSISTOR 2SC1623
Q23	8-729-216-22 s	TRANSISTOR 2SA1162
Q24	8-729-100-66 s	TRANSISTOR 2SC1623
Q25	8-729-100-66 s	TRANSISTOR 2SC1623
Q26	8-729-109-44 s	TRANSISTOR 2SK94
Q27	8-729-109-44 s	TRANSISTOR 2SK94
Q28	8-729-175-73 s	TRANSISTOR 2SC2757
Q29	8-729-175-73 s	TRANSISTOR 2SC2757
Q30	8-729-122-63 s	TRANSISTOR 2SA1226
Q31	8-729-175-73 s	TRANSISTOR 2SC2757
Q32	8-729-122-63 s	TRANSISTOR 2SA1226
Q33	8-729-175-73 s	TRANSISTOR 2SC2757
Q34	8-729-175-73 s	TRANSISTOR 2SC2757
Q35	8-729-109-44 s	TRANSISTOR 2SK94
Q36	8-729-175-73 s	TRANSISTOR 2SC2757
Q37	8-729-175-73 s	TRANSISTOR 2SC2757
Q38	8-729-122-63 s	TRANSISTOR 2SA1226
Q39	8-729-122-63 s	TRANSISTOR 2SA1226
Q41	8-729-175-73 s	TRANSISTOR 2SC2757
Q42	8-729-175-73 s	TRANSISTOR 2SC2757
Q43	8-729-100-66 s	TRANSISTOR 2SC1623
Q44	8-729-109-44 s	TRANSISTOR 2SK94
Q45	8-729-109-44 s	TRANSISTOR 2SK94
Q46	8-729-109-44 s	TRANSISTOR 2SK94
Q47	8-729-100-66 s	TRANSISTOR 2SC1623
Q48	8-729-100-66 s	TRANSISTOR 2SC1623
Q49	8-729-100-66 s	TRANSISTOR 2SC1623
Q50	8-729-100-66 s	TRANSISTOR 2SC1623
Q51	8-729-100-66 s	TRANSISTOR 2SC1623
Q52	8-729-100-66 s	TRANSISTOR 2SC1623
Q53	8-729-100-66 s	TRANSISTOR 2SC1623
Q54	8-729-100-66 s	TRANSISTOR 2SC1623
Q55	8-729-100-66 s	TRANSISTOR 2SC1623
Q56	8-729-100-66 s	TRANSISTOR 2SC1623
Q57	8-729-175-73 s	TRANSISTOR 2SC2757
Q58	8-729-109-44 s	TRANSISTOR 2SK94
Q59	8-729-216-22 s	TRANSISTOR 2SA1162
Q61	8-729-216-22 s	TRANSISTOR 2SA1162
Q62	8-729-100-66 s	TRANSISTOR 2SC1623
Q63	8-729-216-22 s	TRANSISTOR 2SA1162
Q64	8-729-216-22 s	TRANSISTOR 2SA1162
Q65	8-729-122-63 s	TRANSISTOR 2SA1226
Q66	8-729-175-73 s	TRANSISTOR 2SC2757
Q67	8-729-175-73 s	TRANSISTOR 2SC2757
Q68	8-729-175-73 s	TRANSISTOR 2SC2757
Q69	8-729-175-73 s	TRANSISTOR 2SC2757

Please see pages D-13 and D-14 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IE-28 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q70	8-729-175-73	s TRANSISTOR 2SC2757
Q71	8-729-100-66	s TRANSISTOR 2SC1623
Q72	8-729-216-22	s TRANSISTOR 2SA1162
Q73	8-729-175-73	s TRANSISTOR 2SC2757
Q74	8-729-175-73	s TRANSISTOR 2SC2757
Q75	8-729-175-73	s TRANSISTOR 2SC2757
Q76	8-729-175-73	s TRANSISTOR 2SC2757
Q77	8-729-175-73	s TRANSISTOR 2SC2757
R5	1-216-644-11	s METAL, CHIP 510 0.5% 1/10W
R6	1-216-677-11	s METAL, CHIP 12K 0.5% 1/10W
R10	1-216-627-11	s METAL, CHIP 100 0.5% 1/10W
R13	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R14	1-216-674-11	s METAL, CHIP 9.1K 0.5% 1/10W
R15	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R17	1-216-647-11	s METAL, CHIP 680 0.5% 1/10W
R21	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R22	1-216-641-11	s METAL, CHIP 390 0.5% 1/10W
R29	1-216-623-11	s METAL, CHIP 68 0.5% 1/10W
R30	1-216-623-11	s METAL, CHIP 68 0.5% 1/10W
R31	1-216-679-11	s METAL, CHIP 15K 0.5% 1/10W
R35	1-216-647-11	s METAL, CHIP 680 0.5% 1/10W
R44	1-216-637-11	s METAL, CHIP 270 0.5% 1/10W
R47	1-216-637-11	s METAL, CHIP 270 0.5% 1/10W
R50	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R62	1-216-691-11	s METAL, CHIP 47K 0.5% 1/10W
R63	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R76	1-216-623-11	s METAL, CHIP 68 0.5% 1/10W
R77	1-216-623-11	s METAL, CHIP 68 0.5% 1/10W
R78	1-216-679-11	s METAL, CHIP 15K 0.5% 1/10W
R83	1-216-647-11	s METAL, CHIP 680 0.5% 1/10W
R91	1-216-637-11	s METAL, CHIP 270 0.5% 1/10W
R93	1-216-637-11	s METAL, CHIP 270 0.5% 1/10W
R94	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W
R96	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R99	1-216-691-11	s METAL, CHIP 47K 0.5% 1/10W
R101	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R102	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R112	1-216-669-11	s METAL, CHIP 5.6K 0.5% 1/10W
R113	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R114	1-216-669-11	s METAL, CHIP 5.6K 0.5% 1/10W
R115	1-216-653-11	s METAL, CHIP 1.2K 0.5% 1/10W
R125	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R126	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R130	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R158	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R159	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R168	1-216-640-11	s METAL, CHIP 360 0.5% 1/10W
R181	1-216-640-11	s METAL, CHIP 360 0.5% 1/10W
R182	1-216-640-11	s METAL, CHIP 360 0.5% 1/10W
R188	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R189	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W
RV1	1-241-450-21	s RES, ADJ, CERMET 50K
RV2	1-241-450-21	s RES, ADJ, CERMET 50K
RV3	1-241-262-11	s RES, ADJ, CERMET 2K
RV4	1-241-445-21	s RES, ADJ, CERMET 1K
RV5	1-241-263-11	s RES, ADJ, CERMET 5K
RV6	1-241-444-21	s RES, ADJ, CERMET 500
RV7	1-241-446-21	s RES, ADJ, CERMET 2K

Please see pages D-13 and D-14 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IE-28 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
S1	1-571-259-11	s SWITCH, SLIDE

MB-307 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-7515-283-A	o MOUNTED CIRCUIT BOARD (N), MB-307
C1	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C2	1-135-157-21	s TANTAL 10uF 10% 6.3V
C3	1-135-180-21	s TANTAL 3.3uF 20% 6.3V
C4	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C5	1-135-216-11	s TANTAL 10uF 20% 10V
C6	1-163-227-11	s CERAMIC 10PF 5% 50V
C7	1-163-227-11	s CERAMIC 10PF 5% 50V
C8	1-163-031-11	s CERAMIC 0.01uF 50V
C9	1-135-216-11	s TANTAL 10uF 20% 10V
C10	1-163-251-11	s CERAMIC 100PF 5% 50V
C12	1-135-212-21	s TANTAL 2.2uF 10% 35V
C13	1-124-910-11	s ELECT 47uF 20% 50V
C14	1-163-251-11	s CERAMIC 100PF 5% 50V
C16	1-135-155-21	s TANTAL CHIP 4.7uF 10% 16V
C17	1-124-478-11	s ELECT 100uF 20% 25V
C18	1-163-251-11	s CERAMIC 100PF 5% 50V
C19	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C20	1-124-584-00	s ELECT 100uF 20% 10V
C21	1-135-155-21	s TANTAL CHIP 4.7uF 10% 16V
C22	1-135-212-21	s TANTAL 2.2uF 10% 35V
CN1	1-565-781-11	o CONNECTOR, TX(S.S) (PC BOARD) 50P
CN2	1-565-781-11	o CONNECTOR, TX(S.S) (PC BOARD) 50P
CN3	1-562-728-11	o CONNECTOR, MULTI 50P
CN4	1-506-467-11	o CONNECTOR, 2P, MALE
CN5	1-506-475-11	o CONNECTOR, 10P, MALE
CN6	1-506-472-11	o CONNECTOR, 7P, MALE
CN7	1-506-467-11	o CONNECTOR, 2P, MALE
CN8	1-506-467-11	o CONNECTOR, 2P, MALE
CN9	1-506-467-11	o CONNECTOR, 2P, MALE
CN10	1-506-472-11	o CONNECTOR, 7P, MALE
CN11	1-506-471-11	o CONNECTOR, 6P, MALE
CN12	1-506-473-11	o CONNECTOR, 8P, MALE
CN13	1-560-364-00	o CONNECTOR POST HEADER, ILG (2P)
CN14	1-506-467-11	o CONNECTOR, 2P, MALE
CN15	1-565-819-11	s CONNECTOR, FPC (DIP TYPE) 25P
CN16	1-565-819-11	s CONNECTOR, FPC (DIP TYPE) 25P
CN19	1-506-469-11	o CONNECTOR, 4P, MALE
CN20	1-506-468-11	o CONNECTOR, 3P, MALE
CN21	1-506-467-11	o CONNECTOR, 2P, MALE
CP1	1-466-498-11	s CONVERTER UNIT, DC-DC
D1	8-719-104-34	s DIODE 1S2836
D2	8-719-800-76	s DIODE 1SS226
IC1	8-759-242-64	s IC TC4W53F
IC2	8-759-153-63	s IC CXD8154AM
IC3	8-759-234-20	s IC TC7S08F
IC5	8-759-906-54	s IC TL064CNS
L1	1-408-785-21	s CHIP 47uH
L2	1-408-769-11	s INDUCTOR CHIP 2.2UH
L3	1-408-785-21	s CHIP 47uH
Q1	8-729-100-66	s TRANSISTOR 2SC1623
Q2	8-729-216-22	s TRANSISTOR 2SA1162
Q3	8-729-100-66	s TRANSISTOR 2SC1623
Q4	8-729-175-73	s TRANSISTOR 2SC2757
Q5	8-729-122-63	s TRANSISTOR 2SA1226
Q6	8-729-175-73	s TRANSISTOR 2SC2757

(MB-307 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q8	8-729-104-75	s TRANSISTOR 2SB799-ML
Q9	8-729-100-66	s TRANSISTOR 2SC1623
Q10	8-729-101-07	s TRANSISTOR 2SB798
Q11	8-729-100-66	s TRANSISTOR 2SC1623
Q12	8-729-140-75	s TRANSISTOR 2SD999-CLCK
R3	1-216-682-11	s METAL, CHIP 20K 0.5% 1/10W
R4	1-216-683-11	s METAL, CHIP 22K 0.5% 1/10W
R15	1-216-639-11	s METAL, CHIP 330 0.5% 1/10W
R16	1-216-639-11	s METAL, CHIP 330 0.5% 1/10W
R34	1-216-693-11	s METAL, CHIP 56K 0.5% 1/10W
R35	1-216-684-11	s METAL, CHIP 24K 0.5% 1/10W
R39	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R40	1-216-679-11	s METAL, CHIP 15K 0.5% 1/10W
R42	1-216-676-11	s METAL, CHIP 11K 0.5% 1/10W
R43	1-216-683-11	s METAL, CHIP 22K 0.5% 1/10W
S1	1-572-658-21	s SWITCH, ROTARY
S2	1-571-259-11	s SWITCH, SLIDE
VC01	1-577-181-11	s OSCILLATOR, CRYSTAL

Please see pages D-13 and D-14 for the part numbers of capacitors and resistors that are not listed in the parts list.

PR-143 BOARD

Ref. No. or Q' ty	Part No.	SP Description
1pc	A-7515-290-A	o MOUNTED CIRCUIT BOARD (U), PR-143
1pc	3-674-361-01	o SUPPORT, PC BOARD
1pc	7-621-775-08	s SCREW +B 2.6X3
C3	1-135-216-11	s TANTAL 10uF 20% 10V
C4	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C5	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C6	1-135-216-11	s TANTAL 10uF 20% 10V
C8	1-135-216-11	s TANTAL 10uF 20% 10V
C10	1-135-216-11	s TANTAL 10uF 20% 10V
C11	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C14	1-135-216-11	s TANTAL 10uF 20% 10V
C15	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C16	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C17	1-135-216-11	s TANTAL 10uF 20% 10V
C19	1-135-216-11	s TANTAL 10uF 20% 10V
C22	1-135-216-11	s TANTAL 10uF 20% 10V
C27	1-135-216-11	s TANTAL 10uF 20% 10V
C28	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C29	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C32	1-135-216-11	s TANTAL 10uF 20% 10V
C34	1-135-216-11	s TANTAL 10uF 20% 10V
C36	1-135-216-11	s TANTAL 10uF 20% 10V
C38	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C39	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C42	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C51	1-135-180-21	s TANTAL 3.3uF 20% 6.3V
C53	1-135-211-11	s TANTAL 6.8uF 20% 6.3VW
C54	1-135-211-11	s TANTAL 6.8uF 20% 6.3VW
C55	1-135-216-11	s TANTAL 10uF 20% 10V
C56	1-135-216-11	s TANTAL 10uF 20% 10V
C59	1-163-243-11	s CERAMIC 47PF 5% 50V
C61	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C62	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C63	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C64	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C65	1-135-216-11	s TANTAL 10uF 20% 10V
C68	1-135-216-11	s TANTAL 10uF 20% 10V
C69	1-135-216-11	s TANTAL 10uF 20% 10V
C71	1-135-216-11	s TANTAL 10uF 20% 10V
C72	1-135-177-21	s TANTALUM CHIP 1uF 10% 25V
CN1	1-565-780-11	o CONNECTOR, TX(P.L) (PC BOARD) 50P
CN2	1-563-681-21	o CONNECTOR, BOARD TO BOARD 8P
CN3	1-563-687-21	o CONNECTOR, BOARD TO BOARD 14P
D1	8-719-104-34	s DIODE 1S2836
D2	8-719-104-34	s DIODE 1S2836
D3	8-719-951-13	s DIODE HZ5CLL
DL1	1-415-307-00	s 165nS
DL2	1-415-307-00	s 165nS
DL3	1-415-307-00	s 165nS
FL1	1-409-427-11	s FILTER, TRAP 14.3MHz
FL2	1-409-427-11	s FILTER, TRAP 14.3MHz
FL3	1-409-427-11	s FILTER, TRAP 14.3MHz
IC1	1-465-679-11	s HYBRID IC
IC2	1-807-837-21	s IC GAM
IC3	1-807-839-11	s IC WCL
IC4	1-465-679-11	s HYBRID IC
IC5	1-807-837-21	s IC GAM

(PR-143 BOARD)

Ref. No. or Q' ty	Part No.	SP Description
IC6	1-807-839-11	s IC WCL
IC7	1-465-679-11	s HYBRID IC
IC8	1-807-837-21	s IC GAM
IC9	1-807-839-11	s IC WCL
IC10	8-759-300-71	s IC MC14053BF
IC11	8-759-300-71	s IC MC14053BF
IC12	8-759-031-84	s IC TC7S04F
IC13	8-759-234-20	s IC TC7S08F
IC14	8-759-234-20	s IC TC7S08F
IC16	8-759-630-27	s IC MS236ML
IC17	8-759-906-53	s IC TL062CPS
Q1	8-729-122-63	s TRANSISTOR 2SA1226
Q2	8-729-175-73	s TRANSISTOR 2SC2757
Q3	8-729-122-63	s TRANSISTOR 2SA1226
Q4	8-729-175-73	s TRANSISTOR 2SC2757
Q5	8-729-122-63	s TRANSISTOR 2SA1226
Q6	8-729-122-63	s TRANSISTOR 2SA1226
Q7	8-729-175-73	s TRANSISTOR 2SC2757
Q8	8-729-122-63	s TRANSISTOR 2SA1226
Q9	8-729-122-63	s TRANSISTOR 2SA1226
Q11	8-729-175-73	s TRANSISTOR 2SC2757
Q12	8-729-122-63	s TRANSISTOR 2SA1226
Q13	8-729-122-63	s TRANSISTOR 2SA1226
Q14	8-729-175-73	s TRANSISTOR 2SC2757
Q15	8-729-122-63	s TRANSISTOR 2SA1226
Q16	8-729-175-73	s TRANSISTOR 2SC2757
Q17	8-729-122-63	s TRANSISTOR 2SA1226
Q18	8-729-175-73	s TRANSISTOR 2SC2757
Q19	8-729-175-73	s TRANSISTOR 2SC2757
Q21	8-729-100-66	s TRANSISTOR 2SC1623
Q22	8-729-175-73	s TRANSISTOR 2SC2757
Q23	8-729-175-73	s TRANSISTOR 2SC2757
Q24	8-729-175-73	s TRANSISTOR 2SC2757
Q25	8-729-175-73	s TRANSISTOR 2SC2757
Q26	8-729-175-73	s TRANSISTOR 2SC2757
Q27	8-729-175-73	s TRANSISTOR 2SC2757
Q28	8-729-175-73	s TRANSISTOR 2SC2757
Q29	8-729-175-73	s TRANSISTOR 2SC2757
Q30	8-729-175-73	s TRANSISTOR 2SC2757
Q31	8-729-175-73	s TRANSISTOR 2SC2757
Q32	8-729-807-50	s TRANSISTOR 2SD1623
Q33	8-729-101-07	s TRANSISTOR 2SB798
Q34	8-729-101-07	s TRANSISTOR 2SB798
R1	1-216-627-11	s METAL, CHIP 100 0.5% 1/10W
R4	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R5	1-216-689-11	s METAL, CHIP 39K 0.5% 1/10W
R7	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R11	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W
R13	1-216-644-11	s METAL, CHIP 510 0.5% 1/10W
R14	1-216-644-11	s METAL, CHIP 510 0.5% 1/10W
R15	1-216-653-11	s METAL, CHIP 1.2K 0.5% 1/10W
R16	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R26	1-216-627-11	s METAL, CHIP 100 0.5% 1/10W
R28	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R29	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R31	1-216-689-11	s METAL, CHIP 39K 0.5% 1/10W
R38	1-216-644-11	s METAL, CHIP 510 0.5% 1/10W
R39	1-216-644-11	s METAL, CHIP 510 0.5% 1/10W

Please see pages D-13 and D-14 for the part numbers of capacitors and resistors that are not listed in the parts list.

(PR-143 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R41	1-216-653-11 s	METAL, CHIP 1.2K 0.5% 1/10W
R42	1-216-667-11 s	METAL, CHIP 4.7K 0.5% 1/10W
R59	1-216-627-11 s	METAL, CHIP 100 0.5% 1/10W
R61	1-216-651-11 s	METAL, CHIP 1K 0.5% 1/10W
R62	1-216-689-11 s	METAL, CHIP 39K 0.5% 1/10W
R64	1-216-643-11 s	METAL, CHIP 470 0.5% 1/10W
R67	1-216-655-11 s	METAL, CHIP 1.5K 0.5% 1/10W
R70	1-216-644-11 s	METAL, CHIP 510 0.5% 1/10W
R71	1-216-644-11 s	METAL, CHIP 510 0.5% 1/10W
R72	1-216-667-11 s	METAL, CHIP 4.7K 0.5% 1/10W
R73	1-216-653-11 s	METAL, CHIP 1.2K 0.5% 1/10W
R78	1-216-683-11 s	METAL, CHIP 22K 0.5% 1/10W
R79	1-216-687-11 s	METAL, CHIP 33K 0.5% 1/10W
R123	1-216-627-11 s	METAL, CHIP 100 0.5% 1/10W
R127	1-216-627-11 s	METAL, CHIP 100 0.5% 1/10W
R130	1-216-627-11 s	METAL, CHIP 100 0.5% 1/10W
R138	1-216-659-11 s	METAL, CHIP 2.2K 0.5% 1/10W
R147	1-216-627-11 s	METAL, CHIP 100 0.5% 1/10W
R148	1-216-627-11 s	METAL, CHIP 100 0.5% 1/10W
RV1	1-241-447-21 s	RES, ADJ, CERMET 5K
RV3	1-241-446-21 s	RES, ADJ, CERMET 2K
RV4	1-241-444-21 s	RES, ADJ, CERMET 500
RV5	1-241-447-21 s	RES, ADJ, CERMET 5K
RV6	1-241-444-21 s	RES, ADJ, CERMET 500
RV7	1-241-266-11 s	RES, ADJ, CERMET 50K
RV8	1-241-447-21 s	RES, ADJ, CERMET 5K
RV10	1-241-446-21 s	RES, ADJ, CERMET 2K
RV13	1-241-447-21 s	RES, ADJ, CERMET 5K
RV14	1-241-444-21 s	RES, ADJ, CERMET 500
RV15	1-241-266-11 s	RES, ADJ, CERMET 50K
RV16	1-241-447-21 s	RES, ADJ, CERMET 5K
RV18	1-241-446-21 s	RES, ADJ, CERMET 2K
RV19	1-241-444-21 s	RES, ADJ, CERMET 500
RV20	1-241-447-21 s	RES, ADJ, CERMET 5K
RV21	1-241-444-21 s	RES, ADJ, CERMET 500
RV22	1-241-266-11 s	RES, ADJ, CERMET 50K
RV24	1-241-264-11 s	RES, ADJ, CERMET 10K
RV25	1-241-264-11 s	RES, ADJ, CERMET 10K
RV26	1-241-264-11 s	RES, ADJ, CERMET 10K
RV27	1-241-447-21 s	RES, ADJ, CERMET 5K
RV28	1-241-447-21 s	RES, ADJ, CERMET 5K
RV29	1-241-262-11 s	RES, ADJ, CERMET 2K
RV30	1-241-262-11 s	RES, ADJ, CERMET 2K
RV31	1-241-262-11 s	RES, ADJ, CERMET 2K
RV32	1-241-448-21 s	RES, ADJ, CERMET 10K
RV33	1-241-448-21 s	RES, ADJ, CERMET 10K
RV34	1-241-448-21 s	RES, ADJ, CERMET 10K
RV35	1-241-448-21 s	RES, ADJ, CERMET 10K
RV36	1-241-445-21 s	RES, ADJ, CERMET 1K
S1	1-571-259-11 s	SWITCH, SLIDE

SG-171 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-7515-288-A o	MOUNTED CIRCUIT BOARD (N), SG-171
C3	1-135-159-21 s	TANTALUM, CHIP 10uF 10% 20V
C5	1-135-159-21 s	TANTALUM, CHIP 10uF 10% 20V
C6	1-163-037-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C7	1-163-275-11 s	CERAMIC 0.001uF 5% 50V
C8	1-126-392-11 s	ELECT, CHIP 100uF 20% 6.3V
C9	1-163-251-11 s	CERAMIC 100PF 5% 50V
C11	1-135-216-11 s	TANTAL 10uF 20% 10V
C12	1-135-216-11 s	TANTAL 10uF 20% 10V
C14	1-135-073-00 s	TANTALUM, CHIP 0.33uF 10% 35V
C15	1-163-243-11 s	CERAMIC 47PF 5% 50V
C16	1-135-070-00 s	TANTALUM, CHIP 0.1uF 10% 35V
C17	1-135-070-00 s	TANTALUM, CHIP 0.1uF 10% 35V
C18	1-135-210-11 s	TANTALUM 4.7uF 10% 10V
C20	1-135-161-21 s	TANTALUM, CHIP 22uF 10% 10V
C22	1-135-210-11 s	TANTALUM 4.7uF 10% 10V
C23	1-135-166-21 s	TANTALUM, CHIP 47uF 10% 10V
C32	1-135-216-11 s	TANTAL 10uF 20% 10V
C33	1-135-216-11 s	TANTAL 10uF 20% 10V
C37	1-135-216-11 s	TANTAL 10uF 20% 10V
C38	1-135-091-00 s	TANTALUM, CHIP 1uF 10% 16V
C41	1-126-320-11 s	ELECT, NONPOLAR 10uF 20% 16V
C43	1-135-216-11 s	TANTAL 10uF 20% 10V
C46	1-135-216-11 s	TANTAL 10uF 20% 10V
C50	1-163-227-11 s	CERAMIC 10PF 5% 50V
C53	1-163-243-11 s	CERAMIC 47PF 5% 50V
C54	1-163-243-11 s	CERAMIC 47PF 5% 50V
C56	1-163-243-11 s	CERAMIC 47PF 5% 50V
C59	1-135-070-00 s	TANTALUM, CHIP 0.1uF 10% 35V
C60	1-135-215-21 s	TANTAL 6.8uF 20% 16V
C61	1-163-235-11 s	CERAMIC 22PF 5% 50V
C62	1-163-243-11 s	CERAMIC 47PF 5% 50V
C64	1-135-070-00 s	TANTALUM, CHIP 0.1uF 10% 35V
C65	1-135-215-21 s	TANTAL 6.8uF 20% 16V
C66	1-163-235-11 s	CERAMIC 22PF 5% 50V
C68	1-163-135-00 s	CERAMIC, CHIP 560PF 5% 50V
C70	1-135-156-21 s	TANTAL 6.8uF 10% 6.3V
C73	1-163-275-11 s	CERAMIC 0.001uF 5% 50V
C75	1-135-216-11 s	TANTAL 10uF 20% 10V
C76	1-135-159-21 s	TANTALUM, CHIP 10uF 10% 20V
C77	1-135-156-21 s	TANTAL 6.8uF 10% 6.3V
C79	1-135-070-00 s	TANTALUM, CHIP 0.1uF 10% 35V
C80	1-135-215-21 s	TANTAL 6.8uF 20% 16V
C81	1-163-235-11 s	CERAMIC 22PF 5% 50V
C82	1-163-243-11 s	CERAMIC 47PF 5% 50V
C84	1-135-070-00 s	TANTALUM, CHIP 0.1uF 10% 35V
C85	1-135-215-21 s	TANTAL 6.8uF 20% 16V
C86	1-163-235-11 s	CERAMIC 22PF 5% 50V
C87	1-135-216-11 s	TANTAL 10uF 20% 10V
C88	1-135-216-11 s	TANTAL 10uF 20% 10V
C89	1-126-396-11 s	ELECT, CHIP 47uF 20% 16V
C93	1-135-216-11 s	TANTAL 10uF 20% 10V
C95	1-135-216-11 s	TANTAL 10uF 20% 10V
CN1	1-563-687-21 o	CONNECTOR, BOARD TO BOARD 14P
CN2	1-563-687-21 o	CONNECTOR, BOARD TO BOARD 14P
D1	8-719-104-34 s	DIODE 1S2836
D2	8-719-104-34 s	DIODE 1S2836

Please see pages D-13 and D-14 for the part numbers of capacitors and resistors that are not listed in the parts list.

(SG-171 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
D3	8-719-104-34 s	DIODE 1S2836
IC1	8-759-101-12 s	IC UPC311G2
IC2	8-752-335-47 s	IC CXD1216M
IC3	8-759-100-94 s	IC UPC358G2
IC5	8-759-100-94 s	IC UPC358G2
IC6	8-759-902-88 s	IC SN74LS123NS
IC7	8-759-100-94 s	IC UPC358G2
IC8	8-759-902-88 s	IC SN74LS123NS
IC9	8-752-332-67 s	IC CXD1217M
IC10	8-759-239-23 s	IC SN74HC86NS
IC11	8-759-234-77 s	IC TC4S66F
IC12	8-759-239-34 s	IC TC74HC4538AF
IC13	8-759-038-46 s	IC TC7S00F
IC14	8-759-112-66 s	IC UPC812G2
IC15	8-759-242-64 s	IC TC4W53F
IC16	8-759-242-64 s	IC TC4W53F
IC18	8-759-927-46 s	IC SN74HCOOANS
IC19	8-759-234-77 s	IC TC4S66F
IC20	8-759-234-20 s	IC TC7S08F
L1	1-408-785-21 s	CHIP 47uH
L2	1-408-785-21 s	CHIP 47uH
L3	1-408-785-21 s	CHIP 47uH
L4	1-410-711-31 s	INDUCTOR CHIP 33UH
L5	1-408-785-21 s	CHIP 47uH
L8	1-408-785-21 s	CHIP 47uH
L9	1-410-719-31 s	INDUCTOR CHIP 150UH
L10	1-408-785-21 s	CHIP 47uH
L11	1-408-785-21 s	CHIP 47uH
Q1	8-729-402-19 s	TRANSISTOR XN6501
Q2	8-729-402-84 s	TRANSISTOR XN4601
Q3	8-729-216-22 s	TRANSISTOR 2SA1162
Q4	8-729-402-19 s	TRANSISTOR XN6501
Q5	8-729-403-29 s	TRANSISTOR XN6435
Q6	8-729-402-84 s	TRANSISTOR XN4601
Q9	8-729-402-19 s	TRANSISTOR XN6501
Q10	8-729-403-29 s	TRANSISTOR XN6435
Q12	8-729-402-84 s	TRANSISTOR XN4601
Q13	8-729-402-19 s	TRANSISTOR XN6501
Q14	8-729-403-29 s	TRANSISTOR XN6435
Q15	8-729-216-22 s	TRANSISTOR 2SA1162
Q16	8-729-141-53 s	TRANSISTOR 2SK94-X2X3X4
Q17	8-729-402-84 s	TRANSISTOR XN4601
Q21	8-729-216-22 s	TRANSISTOR 2SA1162
R10	1-216-644-11 s	METAL, CHIP 510 0.5% 1/10W
R12	1-216-657-11 s	METAL, CHIP 1.8K 0.5% 1/10W
R13	1-216-663-11 s	METAL, CHIP 3.3K 0.5% 1/10W
R15	1-216-652-11 s	METAL, CHIP 1.1K 0.5% 1/10W
R23	1-216-670-11 s	METAL, CHIP 6.2K 0.5% 1/10W
R36	1-216-687-11 s	METAL, CHIP 33K 0.5% 1/10W
R68	1-216-641-11 s	METAL, CHIP 390 0.5% 1/10W
R69	1-216-641-11 s	METAL, CHIP 390 0.5% 1/10W
R82	1-216-686-11 s	METAL, CHIP 30K 0.5% 1/10W
R83	1-216-685-11 s	METAL, CHIP 27K 0.5% 1/10W
R89	1-216-675-11 s	METAL, CHIP 10K 0.5% 1/10W
R90	1-216-687-11 s	METAL, CHIP 33K 0.5% 1/10W
R91	1-216-683-11 s	METAL, CHIP 22K 0.5% 1/10W
R99	1-216-657-11 s	METAL, CHIP 1.8K 0.5% 1/10W
R116	1-216-686-11 s	METAL, CHIP 30K 0.5% 1/10W

(SG-171 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R117	1-216-685-11 s	METAL, CHIP 27K 0.5% 1/10W
R123	1-216-651-11 s	METAL, CHIP 1K 0.5% 1/10W
R124	1-216-687-11 s	METAL, CHIP 33K 0.5% 1/10W
R125	1-216-683-11 s	METAL, CHIP 22K 0.5% 1/10W
R137	1-216-683-11 s	METAL, CHIP 22K 0.5% 1/10W
R138	1-216-683-11 s	METAL, CHIP 22K 0.5% 1/10W
R140	1-216-672-11 s	METAL, CHIP 7.5K 0.5% 1/10W
RV1	1-241-262-11 s	RES, ADJ, CERMET 2K
RV2	1-241-265-11 s	RES, ADJ, CERMET 20K
VC01	1-577-089-11 s	OSCILLATOR, CRYSTAL

SW-414 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-562-738-11 o	HOUSING, 5P
1pc	1-562-736-11 o	HOUSING, 3P
1pc	1-564-831-11 o	CONTACT, FEMALE
1pc	1-569-193-11 s	CONTACT
1pc	1-569-196-11 o	HOUSING, 3P
1pc	1-569-198-11 o	PLUG HOUSING, 5P
1pc	1-638-051-12 o	PC BOARD, SW-414
CN2	1-506-482-11 o	CONNECTOR, 3P, MALE
R1	1-249-409-11 s	CARBON 220 5% 1/4W
R2	1-249-419-11 s	CARBON 1.5K 5% 1/4W
R3	1-249-393-11 s	CARBON 10 5% 1/4W
R4	1-249-437-11 s	CARBON 47K 5% 1/4W
R5	1-249-433-11 s	CARBON 22K 5% 1/4W
S1	1-554-174-00 s	SWITCH, TACTILE
S2	1-554-174-00 s	SWITCH, TACTILE
S3	1-554-174-00 s	SWITCH, TACTILE

Please see pages D-13 and D-14 for the part numbers of capacitors and resistors that are not listed in the parts list.

SW-415 BOARD

Ref. No. or Q' ty	Part No.	SP Description
1pc	1-638-052-12	o PC BOARD, SW-415
CN1	1-506-482-11	o CONNECTOR, 3P, MALE
R1	1-249-437-11	s CARBON 47K 5% 1/4W
R2	1-249-429-11	s CARBON 10K 5% 1/4W
R3	1-249-434-11	s CARBON 27K 5% 1/4W
R4	1-249-437-11	s CARBON 47K 5% 1/4W
R5	1-249-429-11	s CARBON 10K 5% 1/4W
R6	1-249-434-11	s CARBON 27K 5% 1/4W
S1	1-570-985-11	s SWITCH, TOGGLE
S2	1-570-984-11	s SWITCH, TOGGLE
S3	1-570-985-11	s SWITCH, TOGGLE
S4	1-572-660-11	s SWITCH, TOGGLE

FRAME

Ref. No. or Q' ty	Part No.	SP Description
	1-542-126-31	s MICROPHONE UNIT
	1-547-474-11	o FILTER UNIT, OPTICS
	1-554-486-00	s SWITCH, TOGGLE "AUTO W/B BAL"O
	1-561-781-21	s CONNECTOR, BNC, FEMALE
	1-572-659-11	s SWITCH, TOGGLE "POWER"
	1-590-489-11	s WIRE, FLAT TYPE (25 CORE)
	1-948-168-11	o HARNESS (CN)
	8-759-747-09	s IC MB7116H
CN101	1-562-782-21	s RECEPTACLE, CONNECTOR 10P "REMOTE"
	1-569-200-31	o HOUSING, CONNECTOR 7P
	1-569-193-11	s CONTACT, AWG24-30
CN102	1-562-221-21	s CONNECTOR, 12P, FEMALE "LENS"
	1-569-193-11	s CONTACT, AWG24-30
	1-569-199-11	o PLUG HOUSING, 6P
CN103	1-561-320-00	s SOCKET, DIN 8P "VF"
	1-569-201-11	o HOUSING, 8P
	1-569-193-11	s CONTACT, AWG24-30

C

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SECTION E CHANGED PARTS

NOTE: The numbers identified by making with) are matching with each serial numbers.

102) S/N 10371 and up	107) S/N 11751 and up
103) S/N 10841 and up	109) S/N 12201 and up
104) S/N 11061 and up	110) S/N 12381 and up
105) S/N 11121 and up	111) S/N 12631 and up

----- AT-59 BOARD -----

OLD) D12	8-719-400-18 s DIODE MA152WK
105) D12	8-719-974-76 s DIODE HSM107S
OLD) Q26	NOT IN USE.
104) Q26	8-729-175-73 s TRANSISTOR 2SC2757
OLD) R146	1-216-077-00 s METAL, CHIP 15K 5% 1/10W
104) R146	1-216-675-11 s METAL, CHIP 10K 0.5% 1/10W
OLD) R191	NOT IN USE.
102) R191	1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W
OLD) RV1	1-237-034-11 s RES, ADJ, METAL 2K
111) RV1	1-241-446-21 s RES, ADJ, CERMET 2K
OLD) RV2	1-237-037-11 s RES, ADJ, METAL 20K
111) RV2	1-241-449-21 s RES, ADJ, CERMET 20K
OLD) RV3	1-237-034-11 s RES, ADJ, METAL 2K
111) RV3	1-241-446-21 s RES, ADJ, CERMET 2K
OLD) S2	1-570-859-11 s SWITCH, SLIDE
105) S2	1-570-857-11 s SWITCH, SLIDE

----- CN-439 BOARD -----

OLD) 1pc	1-638-047-11 o PC BOARD, CN-439
102) 1pc	1-638-047-12 o PC BOARD, CN-439

----- EN-95 BOARD -----

OLD) C4	1-126-398-11 s ELECT, CHIP 4.7uF 20% 35V
109) C4	1-126-393-11 s ELECT 33uF 20% 10V
OLD) C11	1-126-398-11 s ELECT, CHIP 4.7uF 20% 35V
109) C11	1-126-393-11 s ELECT 33uF 20% 10V
OLD) C23	1-107-048-00 s MICA 6.8PF 500V
109) C23	1-163-224-11 s CERAMIC 7PF 0.25PF 50V
OLD) C29	1-163-087-00 s CERAMIC, CHIP 4PF 50V
105) C29	1-163-089-00 s CERAMIC, CHIP 6PF 50V
OLD) C86	1-163-109-00 s CERAMIC, CHIP 47PF 5% 50V
110) C86	1-163-113-00 s CERAMIC 68PF 5% 50V
OLD) JR7	NOT IN USE.
109) JR7	1-216-295-00 s METAL, CHIP 0-OHM
OLD) JR10	NOT IN USE.
109) JR10	1-216-295-00 s METAL, CHIP 0-OHM
OLD) R3	1-216-658-11 s METAL, CHIP 2K 0.5% 1/10W
109) R3	1-216-683-11 s METAL, CHIP 22K 0.5% 1/10W
OLD) R6	NOT IN USE.
111) R6	1-241-444-11 s RES, ADJ, CERMET 500

(EN-95 BOARD)

OLD) R12	NOT IN USE.
111) R12	1-241-444-11 s RES, ADJ, CERMET 500
OLD) R18	1-216-658-11 s METAL, CHIP 2K 0.5% 1/10W
109) R18	1-216-683-11 s METAL, CHIP 22K 0.5% 1/10W
OLD) R21	1-216-656-11 s METAL, CHIP 1.6K 0.5% 1/10W
103) R21	1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W
OLD) R38	1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W
102) R38	1-216-653-11 s METAL, CHIP 1.2K 0.5% 1/10W
OLD) R147	1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W
109) R147	1-216-679-11 s METAL, CHIP 15K 0.5% 1/10W
OLD) R161	1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W
109) R161	1-216-679-11 s METAL, CHIP 15K 0.5% 1/10W
OLD) R175	1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W
109) R175	1-216-679-11 s METAL, CHIP 15K 0.5% 1/10W
OLD) R237	NOT IN USE.
109) R237	1-216-099-00 s METAL, CHIP 120K 5% 1/10W
OLD) R238	NOT IN USE.
109) R238	1-216-099-00 s METAL, CHIP 120K 5% 1/10W
OLD) R239	NOT IN USE.
109) R239	1-216-099-00 s METAL, CHIP 120K 5% 1/10W
OLD) R240	NOT IN USE.
109) R240	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W
OLD) R241	NOT IN USE.
109) R241	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W
OLD) RV2	1-237-032-11 s RES, ADJ, METAL 500
111) RV2	1-241-445-21 s RES, ADJ, CERMET 1K
OLD) RV5	1-237-033-11 s RES, ADJ, METAL 1K
111) RV5	1-241-445-21 s RES, ADJ, CERMET 1K
OLD) RV6	1-237-032-11 s RES, ADJ, METAL 500
111) RV6	DELETED.
OLD) RV10	1-237-035-11 s RES, ADJ, METAL 5K
111) RV10	1-241-447-21 s RES, ADJ, CERMET 5K
OLD) RV12	1-237-032-11 s RES, ADJ, METAL 500
111) RV12	DELETED.
OLD) RV13	1-237-036-11 s RES, ADJ, METAL 10K
111) RV13	1-241-449-21 s RES, ADJ, CERMET 20K
OLD) RV14	1-237-036-11 s RES, ADJ, METAL 10K
111) RV14	1-241-449-21 s RES, ADJ, CERMET 20K
OLD) RV15	1-237-036-11 s RES, ADJ, METAL 10K
111) RV15	1-241-449-21 s RES, ADJ, CERMET 20K

IE-28 BOARD

OLD) 1pc A-7515-292-A o MOUNTED CIRCUIT BOARD, IE-28(N)
 107) 1pc A-7515-292-B o MOUNTED CIRCUIT BOARD, IE-28(N)
 OLD) 1pc NOT IN USE.
 107) 1pc 3-172-381-01 o PLATE (IE), SHIELD
 OLD) C25 1-163-105-00 s CERAMIC, CHIP 33PF 5% 50V
 103) C25 1-163-239-11 s CERAMIC 33PF 5% 50V

OLD) C31 1-163-109-00 s CERAMIC, CHIP 47PF 5% 50V
 103) C31 1-163-243-11 s CERAMIC 47PF 5% 50V
 OLD) C33 1-163-105-00 s CERAMIC, CHIP 33PF 5% 50V
 103) C33 1-163-239-11 s CERAMIC 33PF 5% 50V
 OLD) C62 1-163-105-00 s CERAMIC, CHIP 33PF 5% 50V
 103) C62 1-163-239-11 s CERAMIC 33PF 5% 50V

OLD) C66 1-163-105-00 s CERAMIC, CHIP 33PF 5% 50V
 103) C66 1-163-239-11 s CERAMIC 33PF 5% 50V
 OLD) C68 1-163-105-00 s CERAMIC, CHIP 33PF 5% 50V
 103) C68 1-163-239-11 s CERAMIC 33PF 5% 50V
 OLD) C85 1-163-105-00 s CERAMIC, CHIP 33PF 5% 50V
 103) C85 1-163-239-11 s CERAMIC 33PF 5% 50V

OLD) C86 1-163-105-00 s CERAMIC, CHIP 33PF 5% 50V
 103) C86 1-163-239-11 s CERAMIC 33PF 5% 50V
 OLD) C106 1-163-086-00 s CERAMIC, CHIP 3PF 50V
 103) C106 1-163-220-11 s CERAMIC 3PF 0.25PF 50V
 OLD) C115 1-163-105-00 s CERAMIC, CHIP 33PF 5% 50V
 103) C115 1-163-239-11 s CERAMIC 33PF 5% 50V

OLD) D4 8-719-101-97 s DIODE 1SS97-1
 103) D4 8-719-101-98 s DIODE 1SS97-0
 OLD) D5 8-719-101-97 s DIODE 1SS97-1
 103) D5 8-719-101-98 s DIODE 1SS97-0
 OLD) R163 1-216-089-00 s METAL, CHIP 47K 5% 1/10W
 107) R163 1-216-097-00 s METAL, CHIP 100K 5% 1/10W

OLD) RV1 1-237-038-11 s RES, ADJ, METAL 50K
 111) RV1 1-241-450-21 s RES, ADJ, CERMET 50K
 OLD) RV2 1-237-038-11 s RES, ADJ, METAL 50K
 111) RV2 1-241-450-21 s RES, ADJ, CERMET 50K
 OLD) RV3 1-241-262-41 s RES, ADJ, CERMET 2K
 103) RV3 1-241-262-11 s RES, ADJ, CERMET 2K

OLD) RV4 1-237-033-11 s RES, ADJ, METAL 1K
 111) RV4 1-241-445-21 s RES, ADJ, CERMET 1K
 OLD) RV5 1-241-263-41 s RES, ADJ, CERMET 5K
 103) RV5 1-241-263-11 s RES, ADJ, CERMET 5K
 OLD) RV6 1-237-032-11 s RES, ADJ, METAL 500
 111) RV6 1-241-444-21 s RES, ADJ, CERMET 500
 OLD) RV7 1-237-034-11 s RES, ADJ, METAL 2K
 111) RV7 1-241-446-21 s RES, ADJ, CERMET 2K

MB-307 BOARD

OLD) R49 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
 105) R49 1-216-045-00 s METAL, CHIP 680 5% 1/10W

PR-143 BOARD

OLD) R107 1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W
 103) R107 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
 OLD) R117 1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W
 103) R117 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
 OLD) R150 NOT IN USE.
 103) R150 1-216-081-00 s METAL, CHIP 22K 5% 1/10W

OLD) RV1 1-237-035-11 s RES, ADJ, METAL 5K
 111) RV1 1-241-447-21 s RES, ADJ, CERMET 5K
 OLD) RV3 1-237-034-11 s RES, ADJ, METAL 2K
 111) RV3 1-241-446-21 s RES, ADJ, CERMET 2K
 OLD) RV4 1-237-032-11 s RES, ADJ, METAL 500
 111) RV4 1-241-444-21 s RES, ADJ, CERMET 500

OLD) RV5 1-237-035-11 s RES, ADJ, METAL 5K
 111) RV5 1-241-447-21 s RES, ADJ, CERMET 5K
 OLD) RV6 1-237-032-11 s RES, ADJ, METAL 500
 111) RV6 1-241-444-21 s RES, ADJ, CERMET 500
 OLD) RV8 1-237-035-11 s RES, ADJ, METAL 5K
 111) RV8 1-241-447-21 s RES, ADJ, CERMET 5K

OLD) RV10 1-237-034-11 s RES, ADJ, METAL 2K
 111) RV10 1-241-446-21 s RES, ADJ, CERMET 2K
 OLD) RV13 1-237-035-11 s RES, ADJ, METAL 5K
 111) RV13 1-241-447-21 s RES, ADJ, CERMET 5K
 OLD) RV14 1-237-032-11 s RES, ADJ, METAL 500
 111) RV14 1-241-444-21 s RES, ADJ, CERMET 500

OLD) RV16 1-237-035-11 s RES, ADJ, METAL 5K
 111) RV16 1-241-447-21 s RES, ADJ, CERMET 5K
 OLD) RV18 1-237-034-11 s RES, ADJ, METAL 2K
 111) RV18 1-241-446-21 s RES, ADJ, CERMET 2K
 OLD) RV19 1-237-032-11 s RES, ADJ, METAL 500
 111) RV19 1-241-444-21 s RES, ADJ, CERMET 500

OLD) RV20 1-237-035-11 s RES, ADJ, METAL 5K
 111) RV20 1-241-447-21 s RES, ADJ, CERMET 5K
 OLD) RV21 1-237-032-11 s RES, ADJ, METAL 500
 111) RV21 1-241-444-21 s RES, ADJ, CERMET 500
 OLD) RV27 1-237-035-11 s RES, ADJ, METAL 5K
 111) RV27 1-241-447-21 s RES, ADJ, CERMET 5K

OLD) RV28 1-237-035-11 s RES, ADJ, METAL 5K
 111) RV28 1-241-447-21 s RES, ADJ, CERMET 5K
 OLD) RV32 1-237-036-11 s RES, ADJ, METAL 10K
 111) RV32 1-241-448-21 s RES, ADJ, CERMET 10K
 OLD) RV33 1-237-036-11 s RES, ADJ, METAL 10K
 111) RV33 1-241-448-21 s RES, ADJ, CERMET 10K

OLD) RV34 1-237-036-11 s RES, ADJ, METAL 10K
 111) RV34 1-241-448-21 s RES, ADJ, CERMET 10K
 OLD) RV35 1-237-036-11 s RES, ADJ, METAL 10K
 111) RV35 1-241-448-21 s RES, ADJ, CERMET 10K
 OLD) RV36 1-237-033-11 s RES, ADJ, METAL 1K
 111) RV36 1-241-445-21 s RES, ADJ, CERMET 1K

SG-171 BOARD

OLD) D5 8-719-815-59 s DIODE 1S1555-S
103) D5 DELETED.
OLD) IC20 NOT IN USE.
103) IC20 8-759-234-20 s IC TC7S08F
OLD) JR3 NOT IN USE.
109) JR3 1-216-295-00 s METAL, CHIP 0-OHM

OLD) JR4 NOT IN USE.
109) JR4 1-216-295-00 s METAL, CHIP 0-OHM
OLD) R137 1-216-691-11 s METAL, CHIP 47K 0.5% 1/10W
102) R137 1-216-683-11 s METAL, CHIP 22K 0.5% 1/10W

SW-414 BOARD

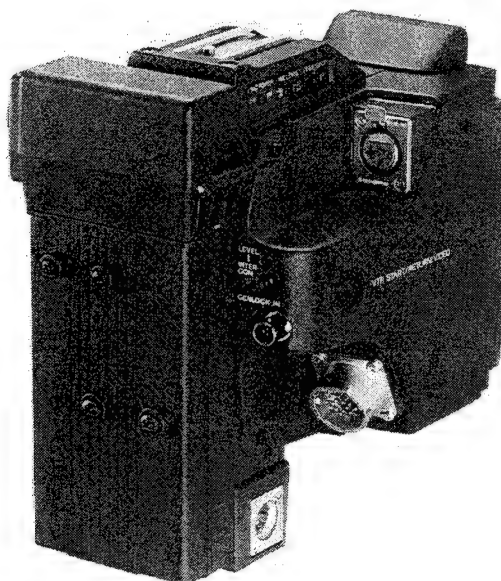
OLD) 1pc 1-638-051-11 o PC BOARD, SW-414
102) 1pc 1-638-051-12 o PC BOARD, SW-414

SW-415 BOARD

OLD) 1pc 1-638-052-11 o PC BOARD, SW-415
102) 1pc 1-638-052-12 o PC BOARD, SW-415

CAMERA ADAPTOR

CA-537



SPECIFICATIONS

Inputs/Outputs	VTR/CCU/CMA connector: Sony Z-type, 26-pin
	DC IN: XLR-type, 4-pin
	MIC IN: XLR-type, 3-pin
	GEN LOCK IN: BNC-type
	EARPHONE: mini jack
	INTERCOM: mini intercom jack
Power requirements	12 V DC
	Power consumption
	1.7 W
Operating temperature	
	-10°C to +45°C (14°F to 113°F)
Storage temperature	
	-20°C to +60°C (-4°F to +140°F)
Weight	1.3 kg (2 lb 14 oz)
Dimensions	118 × 205 × 187 mm
	(4 ³ / ₄ × 8 ¹ / ₃ × 7 ³ / ₈ inches)
Supplied accessories	
	Screws for attaching the CA-537/537P
	M4 × 6 (2)
	M4 × 12 (2)
	Operating instructions (1)

Design and specifications are subject to change without notice.

SONY[®]

SERVICE MANUAL

TABLE OF CONTENTS

A. BLOCK DIAGRAMS


OverallA-1


B. SEMICONDUCTOR

SemiconductorB-1

C. SCHEMATIC DIAGRAMS AND BOARD ILLUSTRATIONS

IF-313C-3

AU-141 C-15

SW-416 

D. SPARE PARTS

Parts InformationD-1

Exploded ViewD-3

Packing Material and AccessoriesD-6

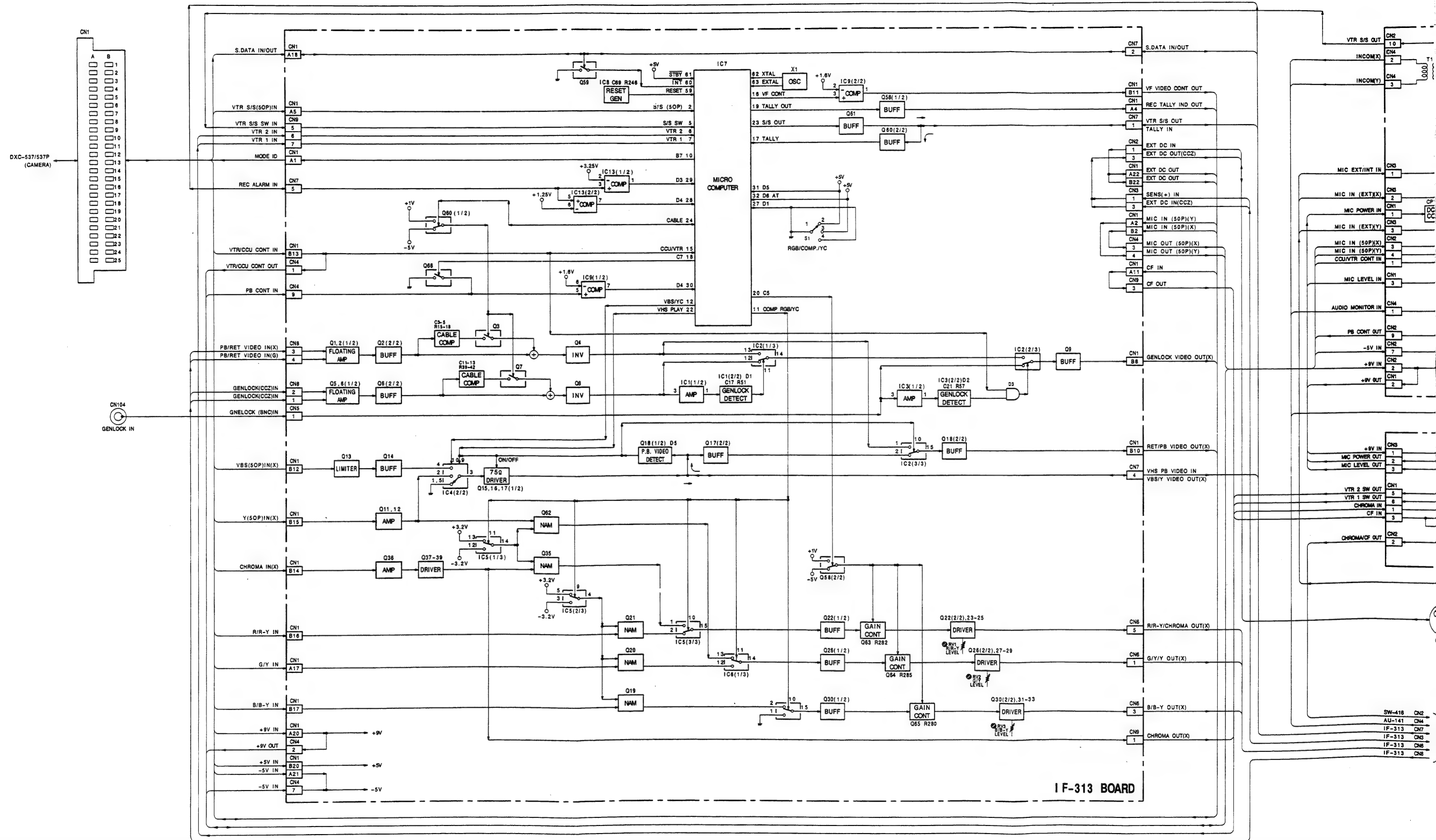
Electrical PartsD-7

OVERALL BLOCK

OVERALL BLOCK

SECTION A BLOCK DIAGRAM

OVERALL BLOCK



CA-537 (J,UC)
CA-537P(EK)

A-1

A-2

A

B

C

D

E

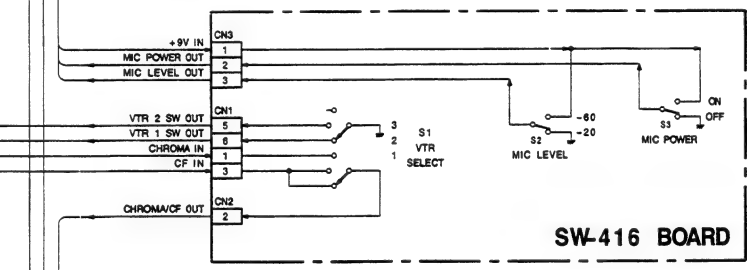
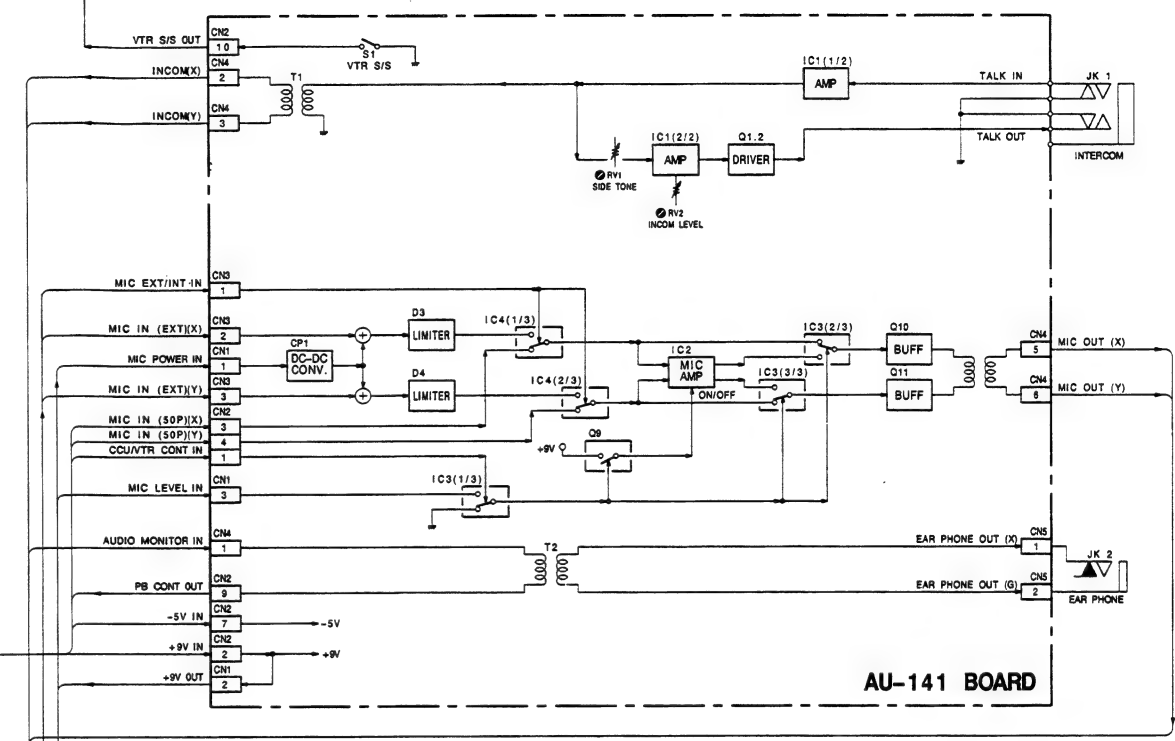
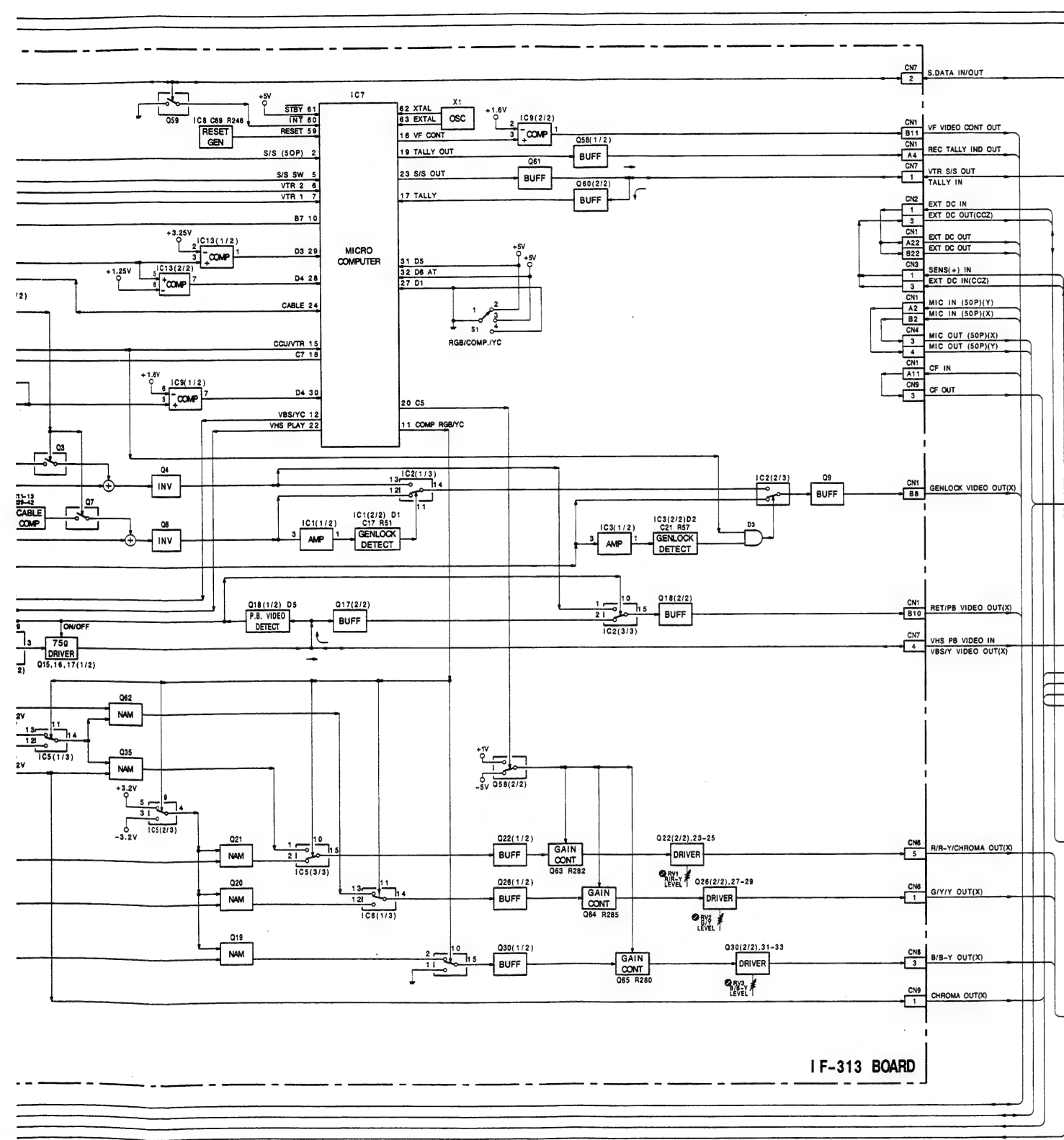
F

G

H

I

J



OVERALL BLOCK
CA-537 (J,UC)
CA-537P(EK)

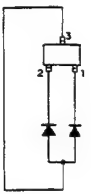
SECTION B SEMICONDUCTOR

The circuit diagram of IC is obtained from the IC data book published by the manufacturer.

TYPE	PAGE
1S2835	B-2
1S2836	B-2
1SS123	B-2
1SS226	B-2
2SA1162	B-2
2SA812	B-2
2SC1623	B-2
2SC2757	B-2
2SC2878	B-2
2SK94	B-2
HD6305Y0E26F	B-3
LM2903M	B-3
MC14052BF	B-4
MC14053BF	B-4
RC2043MD	B-4
RD ? ? M	B-2
TC4S81F	B-4
uPC358G2	B-4
uPC4558G2	B-4
XN4601	B-2
XN6401	B-2
XN6501	B-2
XN6534	B-2

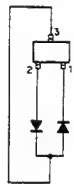
DIODE, TRANSISTOR

(SCALE 4/1)
TOP VIEW



1S2835
1S2836

(SCALE 4/1)
TOP VIEW



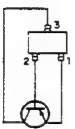
1SS123
1SS226

(SCALE 4/1)
TOP VIEW



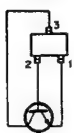
RD 2 7 M

(SCALE 4/1)
TOP VIEW



2SA1162
2SA812

(SCALE 4/1)
TOP VIEW

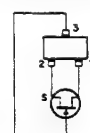


2SC1623
2SC2757



2SC2878

TOP VIEW (SCALE 4/1)



2SK94

(SCALE 6/1)
TOP VIEW



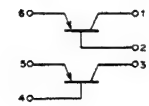
XN4601



(SCALE 6/1)
TOP VIEW



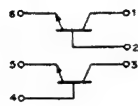
XN6401



(SCALE 6/1)
TOP VIEW



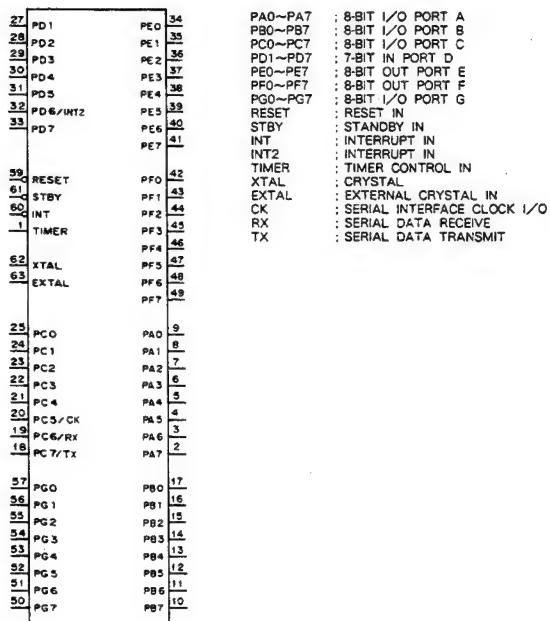
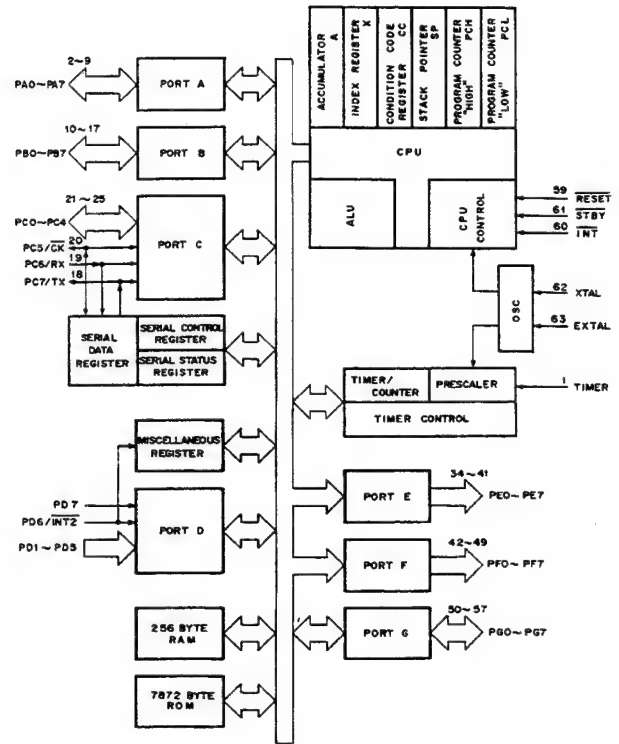
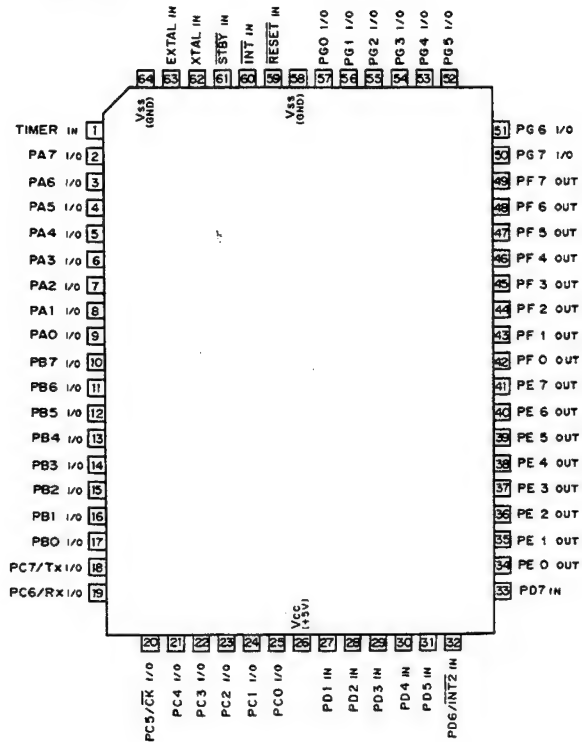
XN6501
XN6534



HD6305Y0E26F (HITACHI)

C-MOS 8-BIT MICROPROCESSOR UNIT

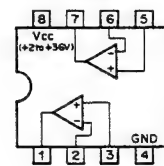
- TOP VIEW -



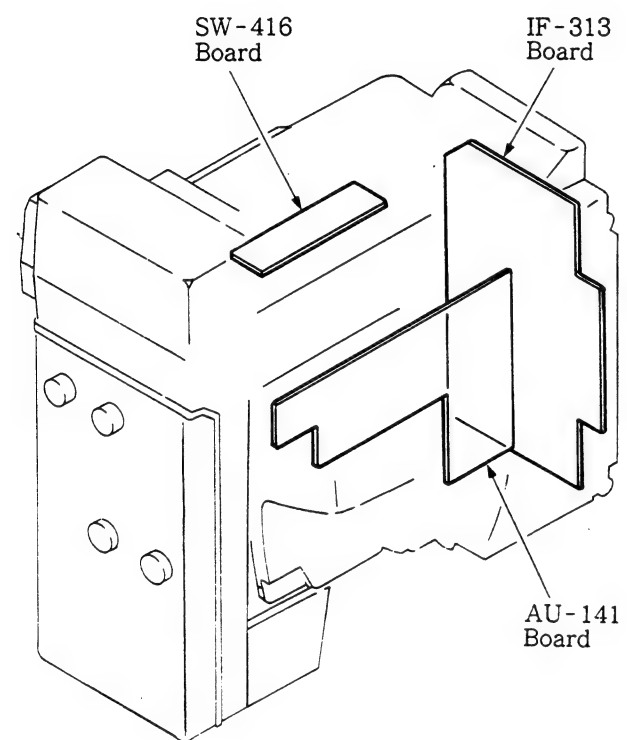
LM2903M (RAYTHEON) FLAT PACKAGE

DUAL VOLTAGE COMPARATORS

- TOP VIEW -



SECTION C
SCHEMATIC DIAGRAMS AND BOARD ILLUSTRATIONS



IF-313 BOARD

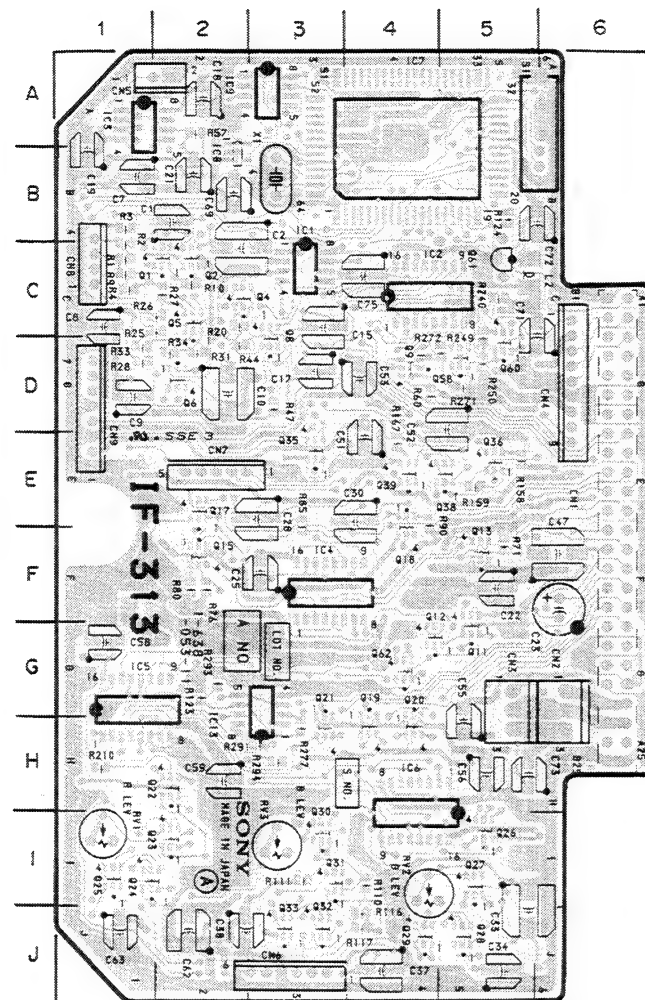
S/N J ; 30001 through 30170
UC; 10001 through 10430
EK; 40001 through 40200

IF-313

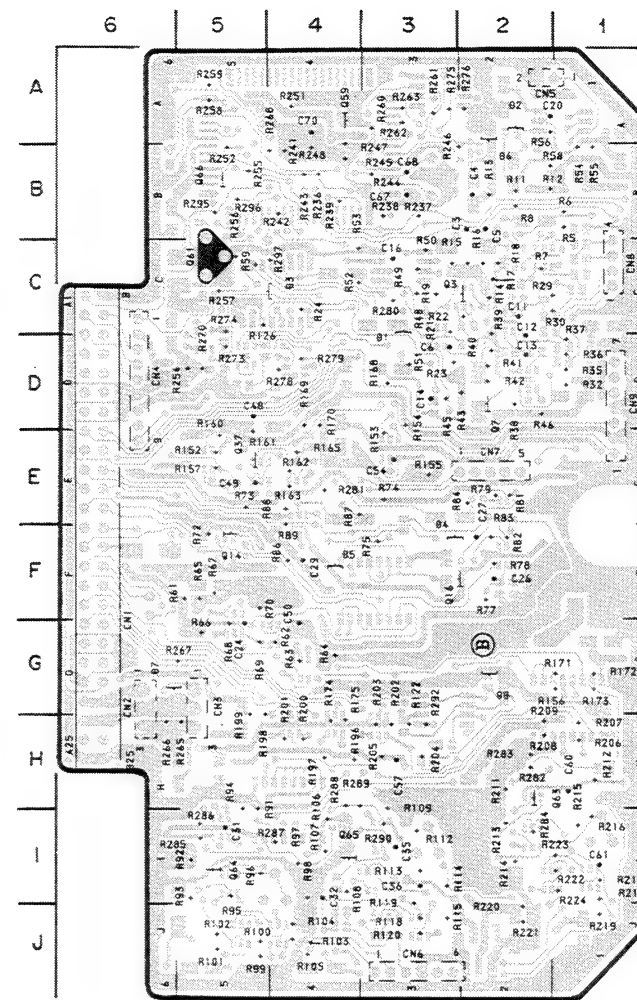
IF-313

IF-313(1-638-053-11)

CN1	G-6	Q17	E-2
CN2	G-6	Q18	F-4
CN3	G-5	Q19	G-4
CN4	D-6	Q20	G-4
CN5	A-1	Q21	G-3
CN6	J-3	Q22	H-1
CN7	E-2	Q23	I-1
CN8	C-1	Q24	I-1
CN9	E-1	Q25	I-1
		Q26	I-5
		Q27	I-5
D1	D-3	Q28	J-5
D2	A-2	Q29	J-4
D3	C-4	Q30	I-3
D4	F-3	Q31	I-3
D5	F-4	Q32	J-3
D6	B-2	Q33	J-3
D7	G-6	Q35	E-3
D8	G-2	Q36	E-5
		Q37	E-5
		Q38	E-5
IC1	B-3	Q39	E-4
IC2	C-4	Q58	D-5
IC3	A-1	Q59	A-4
IC4	F-3	Q60	D-5
IC5	G-1	Q61	C-5
IC6	H-4	Q62	G-4
IC7	A-4	Q63	H-1
IC8	B-2	Q64	I-5
IC9	A-2	Q65	I-4
IC13	G-2	Q66	B-5
		RV1	I-1
		RV2	I-4
		RV3	I-3
		S1	A-5
		X1	A-3
Q1	C-1		
Q2	C-2		
Q3	C-3		
Q4	C-3		
Q5	C-2		
Q6	D-2		
Q7	D-2		
Q8	C-3		
Q9	D-4		
Q11	G-5		
Q12	F-4		
Q13	F-5		
Q14	F-5		
Q15	F-2		
Q16	F-3		



C-3(a)



1-638-053-11 SOLDERING SIDE

C-4(a)

IF-313(1-638-053-11)

CN1	G-6	Q17	E-2
CN2	G-6	Q18	F-4
CN3	G-5	Q19	G-4
CN4	D-6	Q20	G-4
CN5	A-1	Q21	G-3
CN6	J-3	Q22	H-1
CN7	E-2	Q23	I-1
CN8	C-1	Q24	I-1
CN9	E-1	Q25	I-1
		Q26	I-5
		Q27	I-5
D1	D-3	Q28	J-5
D2	A-2	Q29	J-4
D3	C-4	Q30	I-3
D4	F-3	Q31	I-3
D5	F-4	Q32	J-3
D6	B-2	Q33	J-3
D7	G-6	Q35	E-3
D8	G-2	Q36	E-5
		Q37	E-5
		Q38	E-5
IC1	B-3	Q39	E-4
IC2	C-4	Q58	D-5
IC3	A-1	Q59	A-4
IC4	F-3	Q60	D-5
IC5	G-1	Q61	C-5
IC6	H-4	Q62	G-4
IC7	A-4	Q63	H-1
IC8	B-2	Q64	I-5
IC9	A-2	Q65	I-4
IC13	G-2	Q66	B-5
		RV1	I-1
		RV2	I-4
		RV3	I-3
		S1	A-5
		X1	A-3
Q1	C-1		
Q2	C-2		
Q3	C-3		
Q4	C-3		
Q5	C-2		
Q6	D-2		
Q7	D-2		
Q8	C-3		
Q9	D-4		
Q11	G-5		
Q12	F-4		
Q13	F-5		
Q14	F-5		
Q15	F-2		
Q16	F-3		

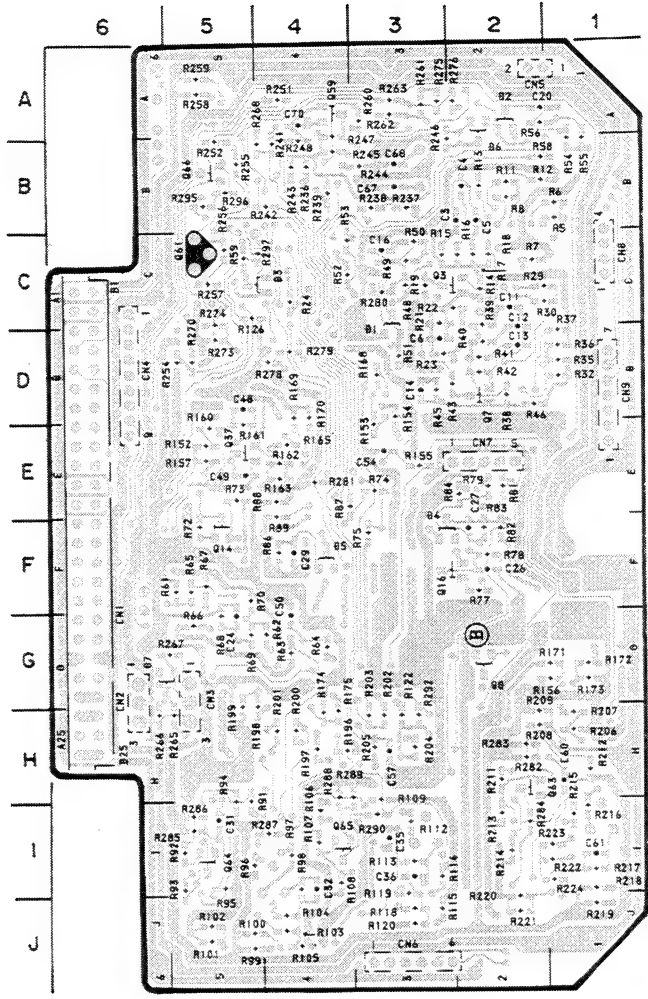
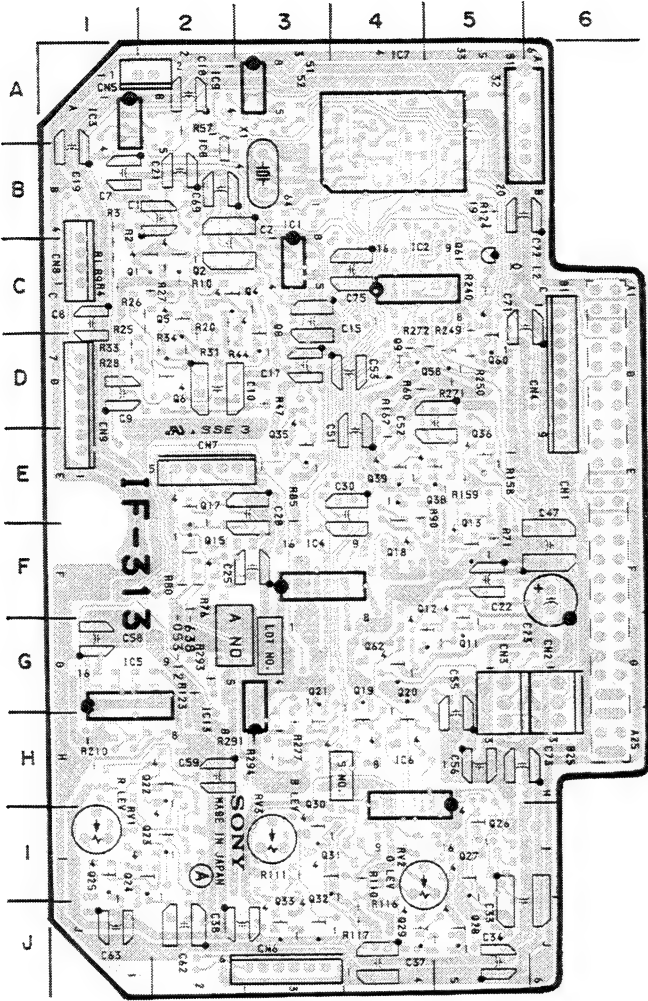
CA-537 (J,UC)
CA-537P (EK)

S/N J ; 30171 and higher
UC; 10431 and higher
EK; 40201 and higher

IF-313 BOARD

IF-313(1-638-053-12)

CN1	G-6	Q17	E-2
CN2	G-6	Q18	F-4
CN3	G-5	Q19	G-4
CN4	D-6	Q20	G-4
CN5	A-1	Q21	G-3
CN6	J-3	Q22	H-1
CN7	E-2	Q23	I-1
CN8	C-1	Q24	I-1
CN9	E-1	Q25	I-1
		Q26	I-5
		Q27	I-5
D1	D-3	Q28	J-5
D2	A-2	Q29	J-4
D3	C-4	Q30	I-3
D4	F-3	Q31	I-3
D5	F-4	Q32	J-3
D6	B-2	Q33	J-3
D7	G-6	Q35	E-3
D8	G-2	Q36	E-5
		Q37	E-5
IC1	B-3	Q38	E-5
IC2	C-4	Q39	E-4
IC3	A-1	Q58	D-5
IC4	F-3	Q59	A-4
IC5	G-1	Q60	D-5
IC6	H-4	Q61	C-5
IC7	A-4	Q62	G-4
IC8	B-2	Q63	H-1
IC9	A-2	Q64	I-5
IC13	G-2	Q65	I-4
		Q66	B-5
L2	C-6		
Q1	C-1	RV1	I-1
Q2	C-2	RV2	I-4
Q3	C-3	RV3	I-3
Q4	C-3		
Q5	C-2	S1	A-5
Q6	D-2		
Q7	D-2	X1	A-3
Q8	C-3		
Q9	D-4		
Q11	G-5		
Q12	F-4		
Q13	F-5		
Q14	F-5		
Q15	F-2		
Q16	F-3		



IF-313(1-638-053-12)

CN1	G-6	Q17	E-2
CN2	G-6	Q18	F-4
CN3	G-5	Q19	G-4
CN4	D-6	Q20	G-4
CN5	A-1	Q21	G-3
CN6	J-3	Q22	H-1
CN7	E-2	Q23	I-1
CN8	C-1	Q24	I-1
CN9	E-1	Q25	I-1
		Q26	I-5
		Q27	I-5
D1	D-3	Q28	J-5
D2	A-2	Q29	J-4
D3	C-4	Q30	I-3
D4	F-3	Q31	I-3
D5	F-4	Q32	J-3
D6	B-2	Q33	J-3
D7	G-6	Q35	E-3
D8	G-2	Q36	E-5
		Q37	E-5
IC1	B-3	Q38	E-5
IC2	C-4	Q39	E-4
IC3	A-1	Q58	D-5
IC4	F-3	Q59	A-4
IC5	G-1	Q60	D-5
IC6	H-4	Q61	C-5
IC7	A-4	Q62	G-4
IC8	B-2	Q63	H-1
IC9	A-2	Q64	I-5
IC13	G-2	Q65	I-4
		Q66	B-5
L2	C-6		
Q1	C-1	RV1	I-1
Q2	C-2	RV2	I-4
Q3	C-3	RV3	I-3
Q4	C-3		
Q5	C-2	S1	A-5
Q6	D-2		
Q7	D-2	X1	A-3
Q8	C-3		
Q9	D-4		
Q11	G-5		
Q12	F-4		
Q13	F-5		
Q14	F-5		
Q15	F-2		
Q16	F-3		

MC-Service

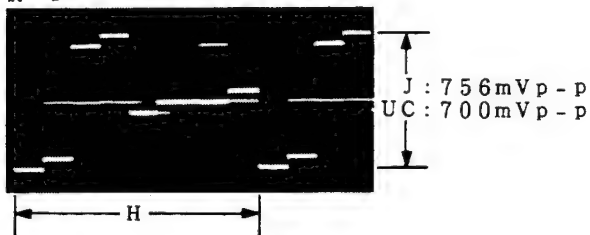
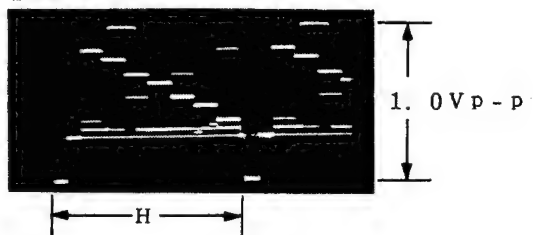
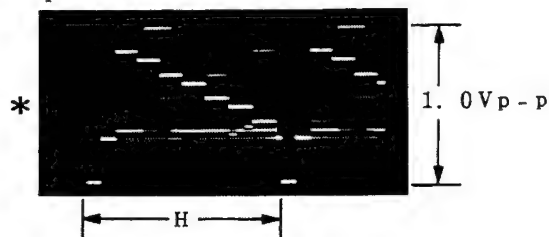
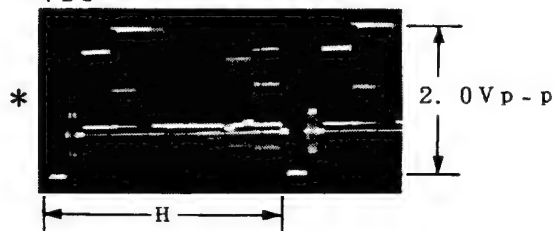
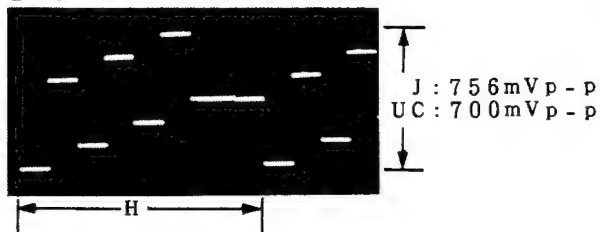
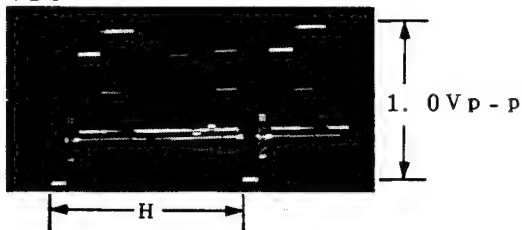
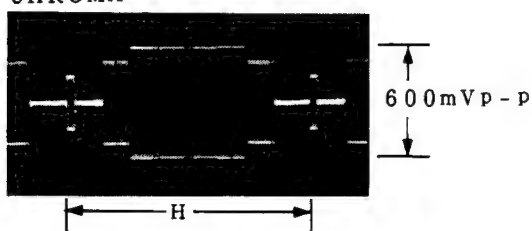
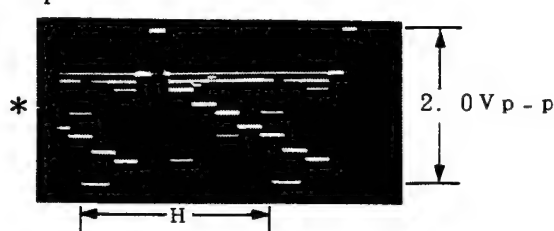
IF-313 BOARD

注意:

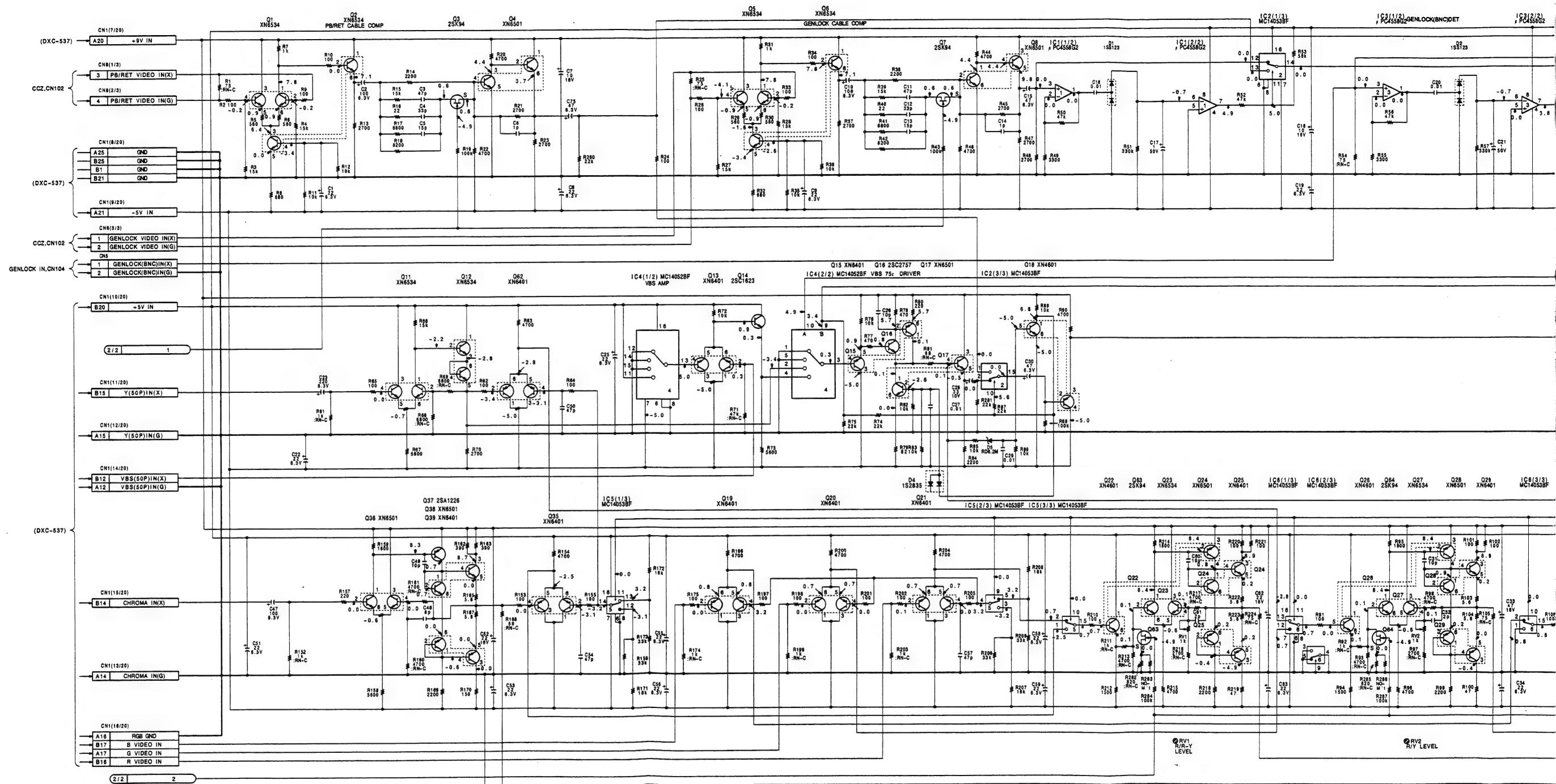
1. DC電圧はデジタル電圧計による値。
2. 波形写真、及びDC電圧は下記条件での測定。
 - ・本機を DXC-537に接続する。
 - ・OUTPUT : BARS
 - ・GAIN : 0dB
 - ・WHITE BAL : PRE
 - ・SHUTTER : OFF
 - ・ZEBRA MARKER : OFF OFF
 - ・PHASE : 0°
3. *はUCモデルの波形です。Jモデルのものは、セットアップレベルがゼロになっています。

NOTE:

1. All voltage are DC, measured with a digital voltmeter.
2. All waveforms are taken and DC voltage is measured in condition below.
 - ・Connect the camera adapter to the camera DXC-537.
 - ・OUTPUT : BARS
 - ・GAIN : 0dB
 - ・WHITE BAL : PRE
 - ・SHUTTER : OFF
 - ・ZEBRA MARKER : OFF OFF
 - ・PHASE : 0°
3. The waveform marked with * is for UCmodel.
For J model, the setup level is set to "0" at factory.

CN1-B16 pin
R-YCN1-B15 pin
LUMINANCECN1-A17 pin
YCN1-B12 pin
VBSCN1-B17 pin
B-YCN7-4 pin
VBSCN1-B14 pin
CHROMAQ12-5 pin
Y

IF-313 BOARD(1/2)



CA-537 (J, U C)
CA-537P (E K)

C-7

C-8

A

B

C

D

E

F

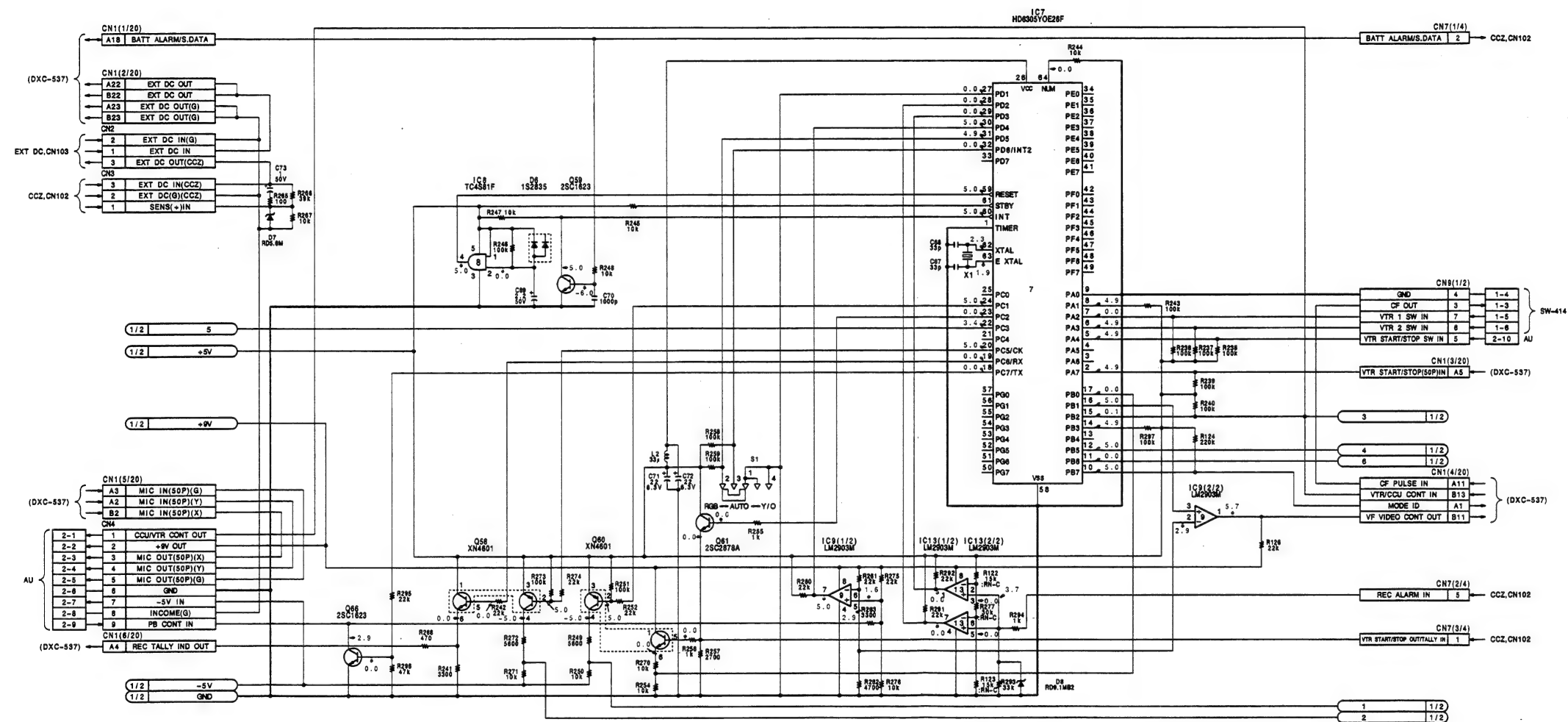
G

H

1



IF-313 BOARD(2/2)



IF-313 BOARD (2/2)
CA-537(J,UC)
CA-537P(EK)

CA-537 (J,UC)
CA-537P(EK)

C-13

C-14

B- CA537-IF313/M#2

A

B

C

D

E

F

G

H

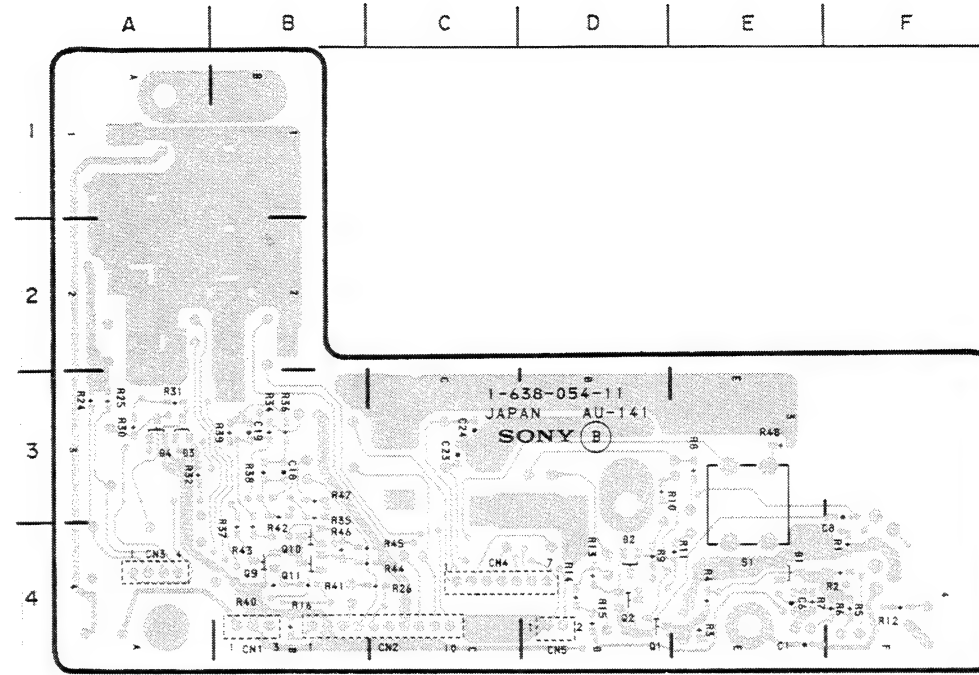
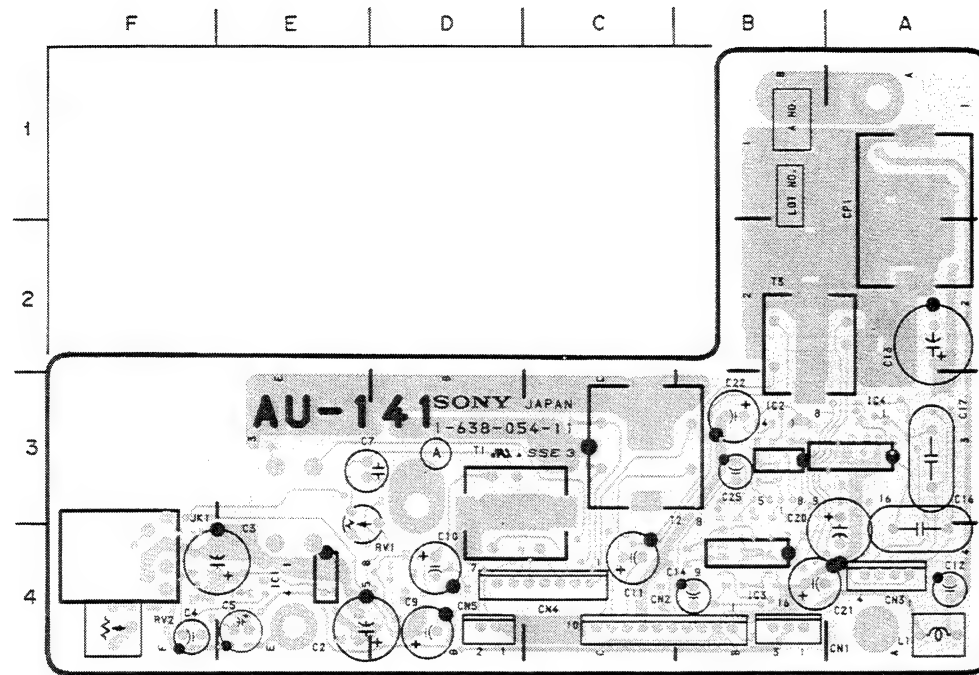
AU-141 BOARD

S/N J : 30001 through 30170
UC: 10001 through 10430
EK: 40001 through 40200

AU-141 SW-416 FRAME FRAME AU-141 SW-416

AU-141(1-638-054-11)

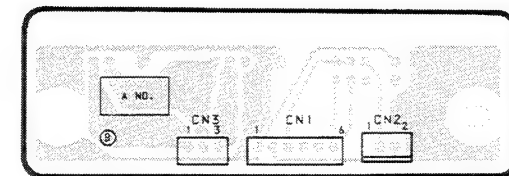
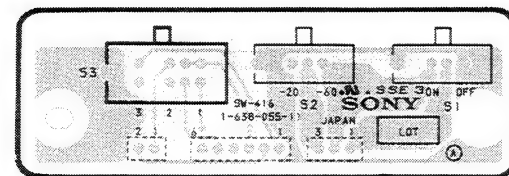
- CN1 A-4
- CN2 C-4
- CN3 A-4
- CN4 C-4
- CN5 D-4
- CP1 A-1
- D1 E-4
- D2 D-4
- D3 A-3
- D4 A-3
- IC1 E-4
- IC2 B-3
- IC3 B-4
- IC4 A-3
- L1 A-4
- Q1 D-4
- Q2 D-4
- Q9 B-4
- Q10 B-4
- Q11 B-4
- RV1 D-4
- RV2 F-4
- S1 E-4
- T1 D-3
- T2 C-3
- T3 B-2



AU-141(1-638-054-11)

- CN1 A-4
- CN2 C-4
- CN3 A-4
- CN4 C-4
- CN5 D-4
- CP1 A-1
- D1 E-4
- D2 D-4
- D3 A-3
- D4 A-3
- IC1 E-4
- IC2 B-3
- IC3 B-4
- IC4 A-3
- L1 A-4
- Q1 D-4
- Q2 D-4
- Q9 B-4
- Q10 B-4
- Q11 B-4
- RV1 D-4
- RV2 F-4
- S1 E-4
- T1 D-3
- T2 C-3
- T3 B-2

SW-416 BOARD



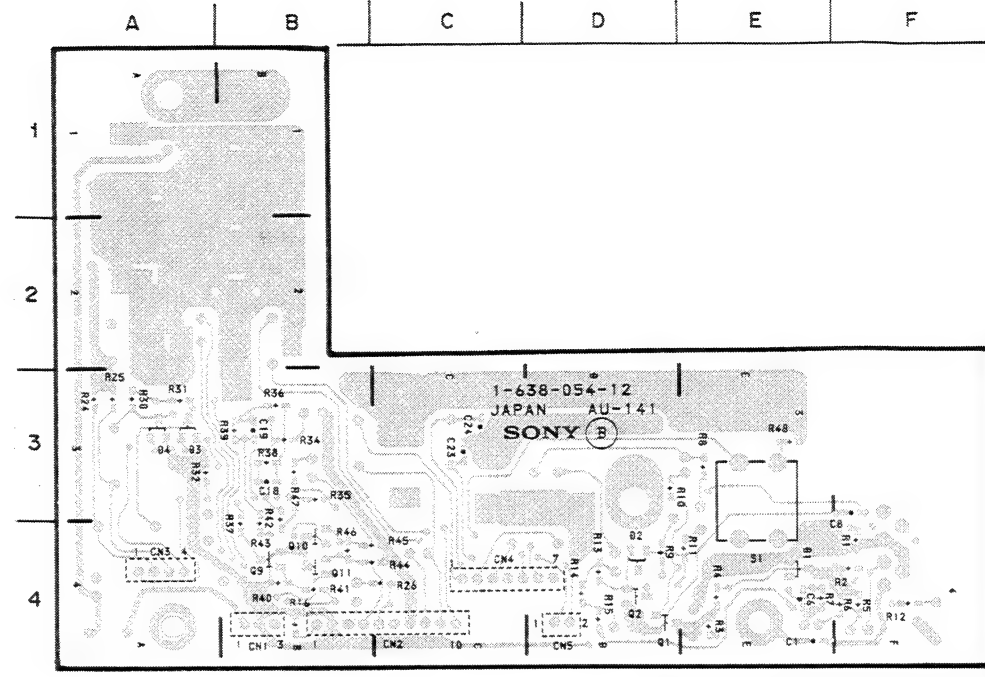
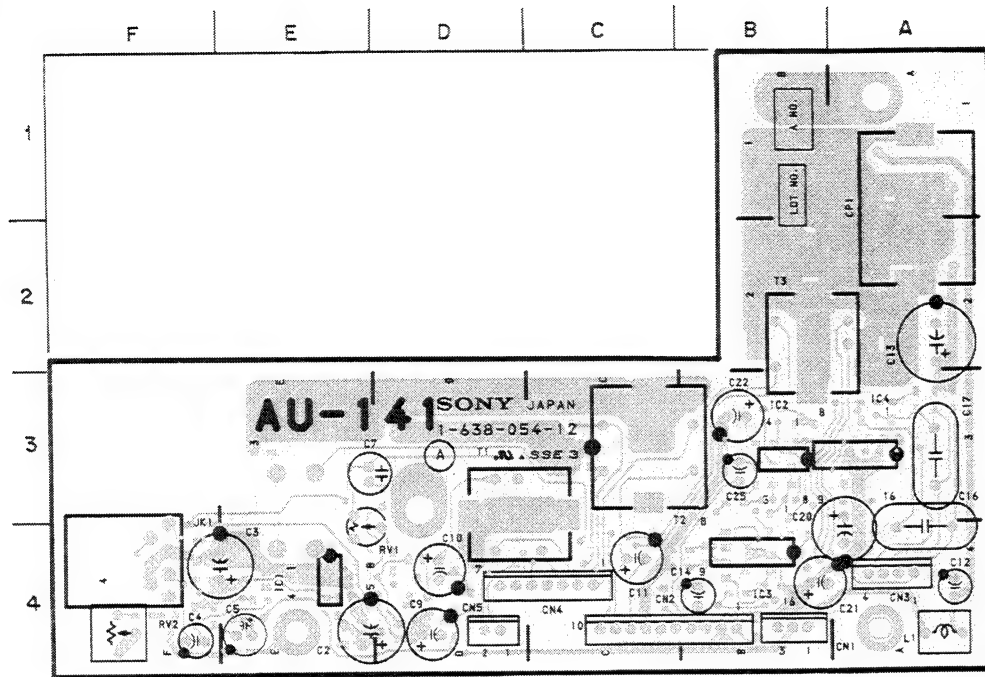
AU-141 BOARD

S/N J; 30171 and higher
UC; 10431 and higher
EK; 40201 and higher

AU-141 SW-416 FRAME FRAME AU-141 SW-416

AU-141(1-638-054-12)

- CN1 A-4
- CN2 C-4
- CN3 A-4
- CN4 C-4
- CN5 D-4
- CP1 A-1
- D1 E-4
- D2 D-4
- D3 A-3
- D4 A-3
- IC1 E-4
- IC2 B-3
- IC3 B-4
- IC4 A-3
- L1 A-4
- Q1 D-4
- Q2 D-4
- Q9 B-4
- Q10 B-4
- Q11 B-4
- RV1 D-4
- RV2 F-4
- S1 E-4
- T1 D-3
- T2 C-3
- T3 B-2

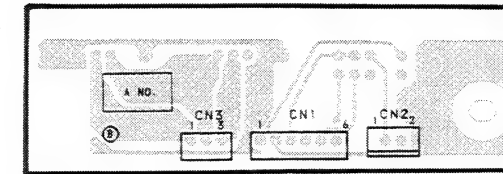
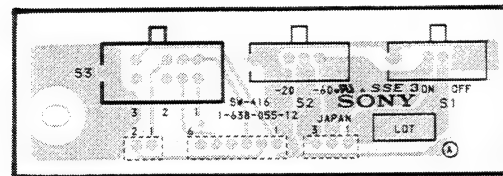


1-638-054-12 SOLDERING SIDE

AU-141(1-638-054-12)

- CN1 A-4
- CN2 C-4
- CN3 A-4
- CN4 C-4
- CN5 D-4
- CP1 A-1
- D1 E-4
- D2 D-4
- D3 A-3
- D4 A-3
- IC1 E-4
- IC2 B-3
- IC3 B-4
- IC4 A-3
- L1 A-4
- Q1 D-4
- Q2 D-4
- Q9 B-4
- Q10 B-4
- Q11 B-4
- RV1 D-4
- RV2 F-4
- S1 E-4
- T1 D-3
- T2 C-3
- T3 B-2

SW-416 BOARD



1-638-055-12 SOLDERING SIDE

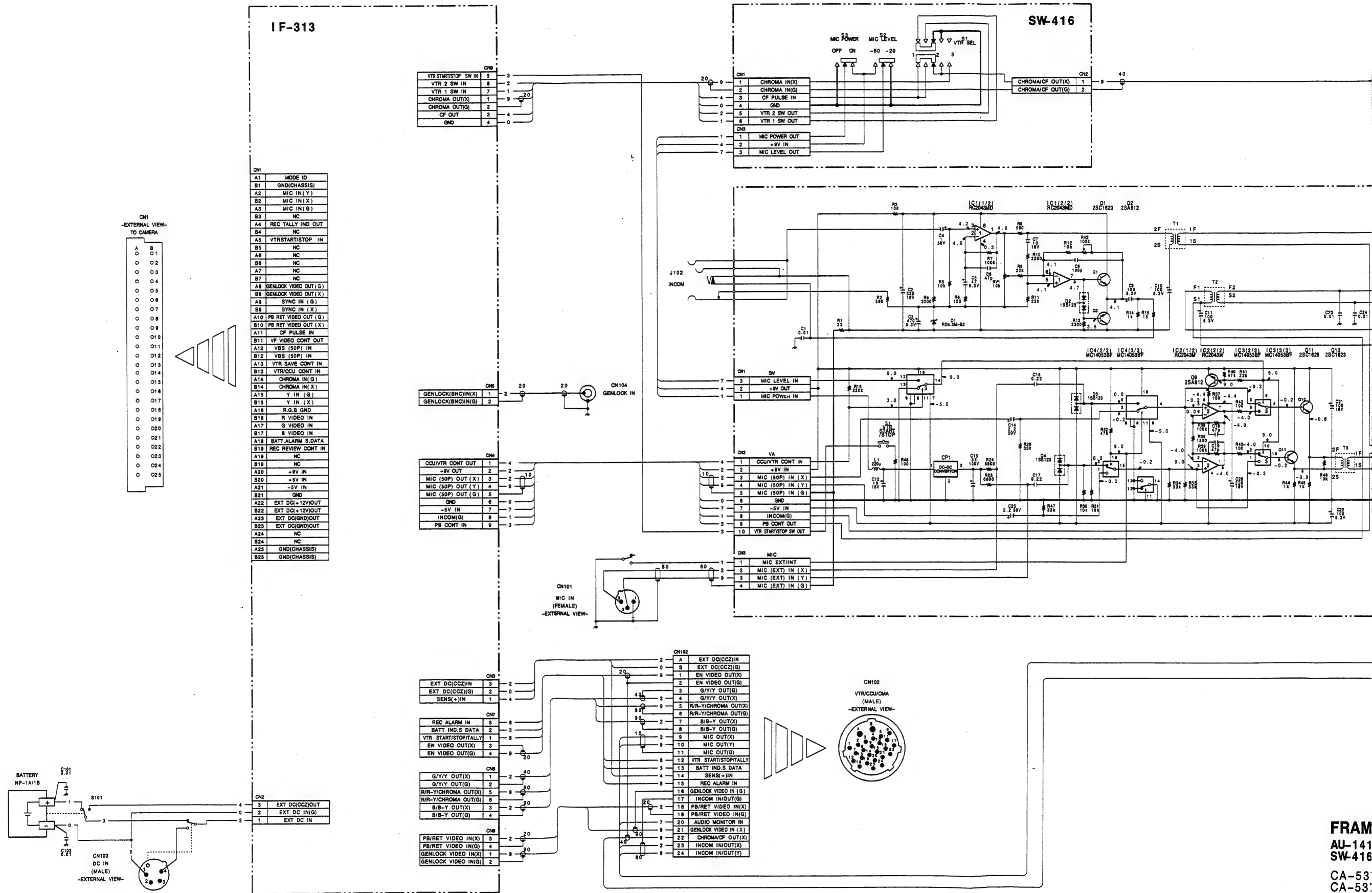
注意:

1. DC電圧はデジタル電圧計による値。
2. 波形写真、及びDC電圧は下記条件での測定。
 - 本機を DXC-537に接続する。
 - OUTPUT : BARS
 - GAIN : 0dB
 - WHITE BAL : PRE
 - SHUTTER : OFF
 - ZEBRA MARKER : OFF OFF
 - PHASE : 0°

NOTE:

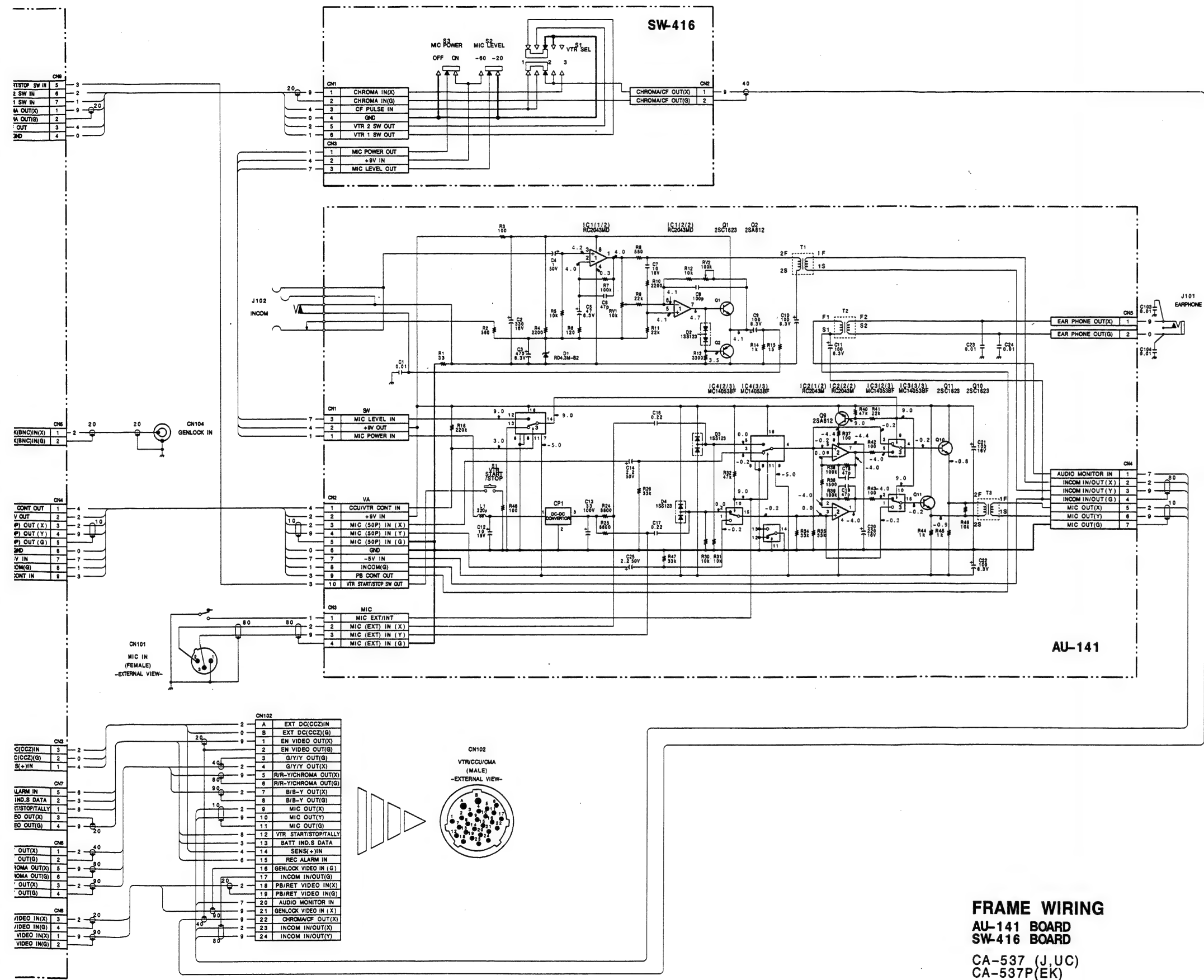
1. All voltage are DC; measured with a digital voltmeter.
2. All waveforms are taken and DC voltage is measured in condition below.
 - Connect the camera adapter to the camera DXC-537.
 - OUTPUT : BARS
 - GAIN : 0dB
 - WHITE BAL : PRE
 - SHUTTER : OFF
 - ZEBRA MARKER : OFF OFF
 - PHASE : 0°

FRAME
AU-141 BOARD
SW-416 BOARD



CA-537 (J, U C)
CA-537P (E K)


FRAM
AU-141
SW-416
CA-53
CA-53



SECTION D SPARE PARTS

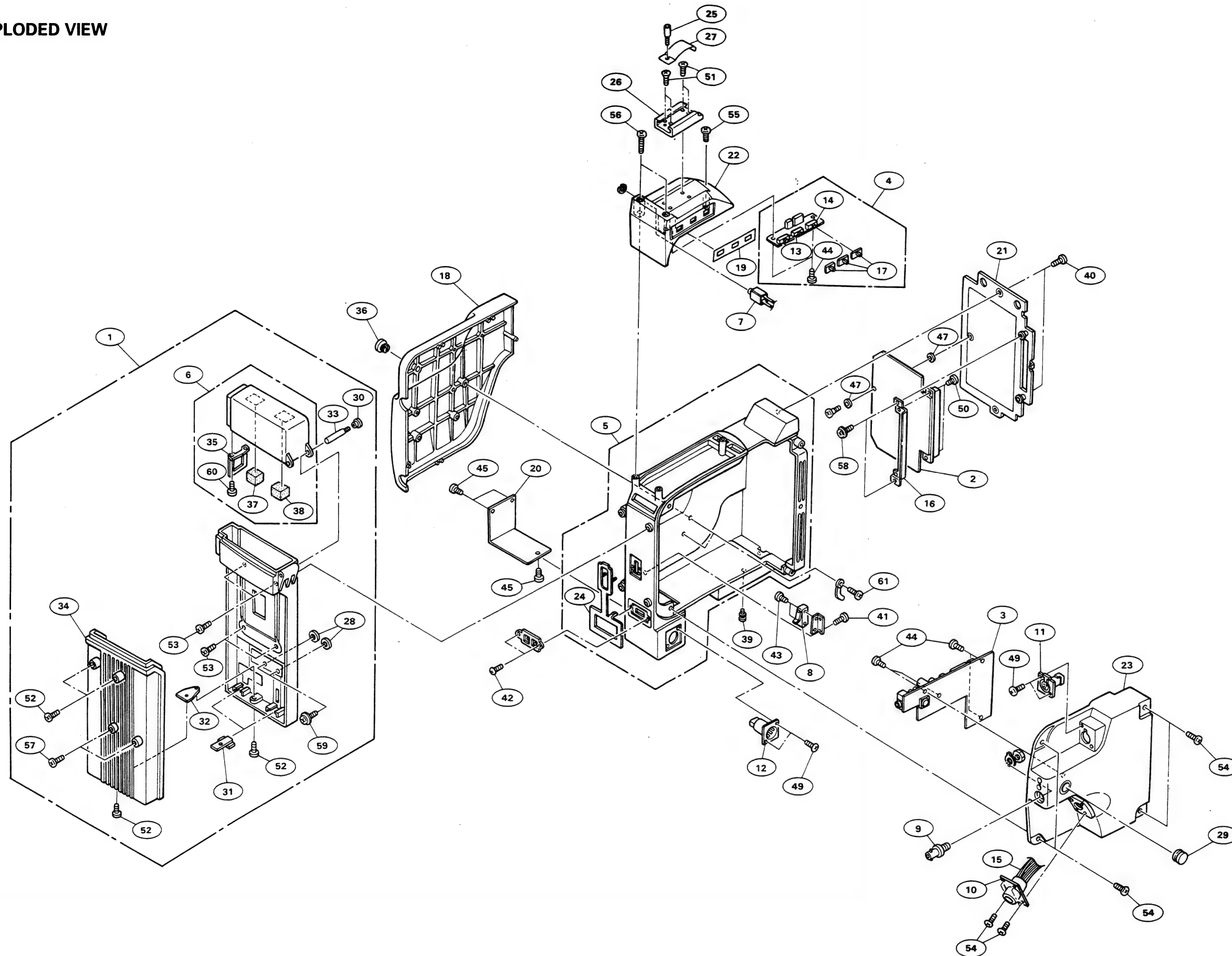
PARTS INFORMATION

1. Safety Related Component Warning

Components identified by shading marked with  on the schematic diagrams, exploded views and electrical spare parts list are critical to safe operation. Replace these components with Sony parts whose parts numbers appear as shown in this manual or in service manual supplements published by Sony.

2. Replacement Parts supplied from Sony Parts Center will sometimes have different shape and outside view from the parts which actually in use. This is due to **"accommodating the improved parts and/or engineering changes" or "standardization of genuine parts."** This manual's exploded view and electrical spare parts lists are indicating the parts numbers of "the standardized genuine parts at present." Regarding engineering parts and diagrams changes in our engineering department, refer to SONY service bulletins and service manual supplements.
3. The parts marked with "S" in the SP column of the exploded views and electrical spare parts list are normally required for routine service work. Orders for parts marked with "O" will be processed, but allow for additional delivery time.
4. Item with no parts number and/or no description are not stocked because they are seldom required for routine service.
5. All capacitors are in micro farads unless otherwise specified.
All inductors are in micro henries unless otherwise specified.
All resistors are in ohms.

EXPLODED VIEW



D-3

D-4

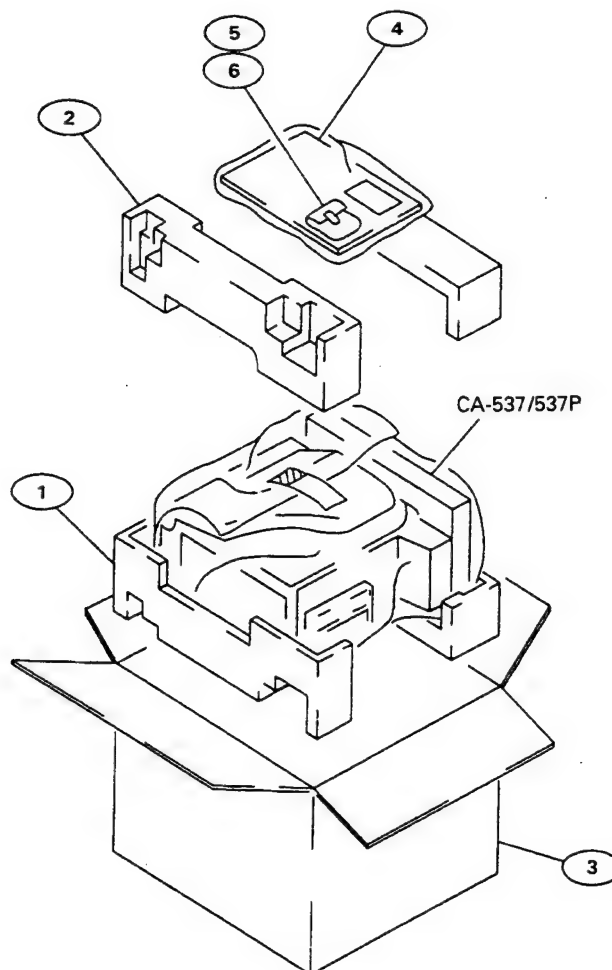
CA-537 (UC)
CA-537P (EK)

No.	Part No.	SP Description
1	A-6703-651-C	s CASE ASSY, BATTERY
2	A-7515-272-A	o MOUNTED CIRCUIT BOARD, IF-313
3	A-7515-273-A	o MOUNTED CIRCUIT BOARD, AU-141
4	A-7520-537-A	o MOUNTED CIRCUIT BOARD, SW-416
5	X-3165-587-1	o CHASSIS ASSY, CA
6	X-3717-701-3	o COVER ASSY, TOP, BATTERY
7	1-507-756-00	s JACK "EAR"
8	1-552-665-00	s SWITCH, MICRO
9	1-561-781-11	s CONNECTOR, BNC "GENLOCK IN"
10	1-562-244-00	o CONNECTOR, 26P "VTR/CCU/CMA"
11	1-563-096-11	s CONNECTOR, 3P (WITH SW) "MIC IN"
12	1-564-603-11	s CONNECTOR, 4P (WITH DC SW) "DC IN"
13	1-571-259-11	s SWITCH, SLIDE "MIC LEVEL"
14	1-571-798-11	s SWITCH, SLIDE "VTR SELECT"
15	1-948-158-11	o HARNESS (CCZ)
16	3-166-318-01	o BRACKET, CONNECTOR
17	3-167-445-02	s KNOB, SWITCH
18	3-167-450-01	o PAD, SIDE
19	3-168-313-01	o PANEL, SWITCH
20	3-168-317-01	o PLATE (B), BOTTOM
21	3-168-318-01	o PANEL (2), CONNECTOR
22	3-168-319-02	o CHASSIS, TOP
23	3-168-320-02	o COVER (2), SIDE
24	3-168-435-01	o PACKING, DROP PROTECTION
25	3-664-213-00	o SCREW, STOPPER
26	3-664-218-00	o SHUE
27	3-664-228-00	o PLATE, SPRING
28	3-669-596-00	s WASHER (2.3), STOPPER
29	3-672-221-02	s PACKING, CONTROL
30	3-703-075-00	s CAP 2, SHAFT
31	3-717-707-02	o CUSHION (2)
32	3-717-708-01	o RETAINER, CASE
33	3-717-709-01	o SHAFT, LID
34	3-718-040-01	o COVER (1), BATTERY CASE
35	3-718-172-01	o RETAINER, HOOK
36	3-725-907-01	s BUSHING, BLIND
37	3-729-720-01	o CUSHION (LEFT)
38	3-729-721-01	o CUSHION (RIGHT)
39	3-744-355-01	o SHAFT, GUIDE
40	7-621-770-67	s SCREW +B 2.6X6
41	7-621-772-18	s SCREW +B 2X4
42	7-621-772-30	s SCREW +B 2X6
43	7-621-772-48	s SCREW +B 2X8
44	7-621-773-86	s SCREW +B 2.6X4
45	7-621-775-10	s SCREW +B 2.6X4
46	7-623-508-01	s LUG, 3
47	7-623-925-11	s WASHER 4.0, NYLONE
48	7-624-200-01	s NUT, PUSH 1.5
49	7-627-556-77	s SCREW, PRECISION +P2.6X6 TYPE 1
50	7-628-254-20	s SCREW +PS 2.6X8
51	7-682-247-04	s SCREW +K 3X6
52	7-682-546-09	s SCREW +B 3X5
53	7-682-547-09	s SCREW +B 3X6
54	7-682-548-04	s SCREW +B 3X8
55	7-682-548-09	s SCREW +B 3X8

No.	Part No.	SP Description
56	7-682-553-09	s SCREW +B 3X20
57	7-682-559-09	s SCREW +B 4X5
58	7-682-947-01	s SCREW +PSW 3X6
59	7-682-948-01	s SCREW +PSW 3X8
60	7-685-133-19	s SCREW +P 2.6X6 TYPE2
61	7-685-649-79	s SCREW +BTP 3X14 TYPE2 N-S

PACKING MATERIAL AND ACCESSORIES

No.	Part No.	SP Description
1	3-167-622-01	o CUSHION (LOWER)
2	3-167-623-01	o CUSHION (UPPER)
3	3-168-980-01	o INDIVIDUAL CARTON
4	3-752-842-12	s MANUAL, INSTRUCTION
5	7-682-560-09	s SCREW +B 4X6
6	7-682-563-09	s SCREW +B 4X12



ELECTRICAL PARTS

RESISTOR, CHIP

Part No.	SP Description
1-216-295-00	s RES, CHIP 0 5% 1/10W
1-216-298-00	s RES, CHIP 2.2 5% 1/10W
1-216-302-00	s RES, CHIP 2.7 5% 1/10W
1-216-304-11	s RES, CHIP 3.3 5% 1/10W
1-216-306-11	s RES, CHIP 3.9 5% 1/10W
1-216-308-00	s RES, CHIP 4.7 5% 1/10W
1-216-309-00	s RES, CHIP 5.6 5% 1/10W
1-216-311-00	s RES, CHIP 6.8 5% 1/10W
1-216-313-00	s RES, CHIP 8.2 5% 1/10W
1-216-001-00	s RES, CHIP 10 5% 1/10W
1-216-003-11	s RES, CHIP 12 5% 1/10W
1-216-005-00	s RES, CHIP 15 5% 1/10W
1-216-007-00	s RES, CHIP 18 5% 1/10W
1-216-009-00	s RES, CHIP 22 5% 1/10W
1-216-011-00	s RES, CHIP 27 5% 1/10W
1-216-013-00	s RES, CHIP 33 5% 1/10W
1-216-015-00	s RES, CHIP 39 5% 1/10W
1-216-017-00	s RES, CHIP 47 5% 1/10W
1-216-019-00	s RES, CHIP 56 5% 1/10W
1-216-021-00	s RES, CHIP 68 5% 1/10W
1-216-023-00	s RES, CHIP 82 5% 1/10W
1-216-025-00	s RES, CHIP 100 5% 1/10W
1-216-027-00	s RES, CHIP 120 5% 1/10W
1-216-029-00	s RES, CHIP 150 5% 1/10W
1-216-031-00	s RES, CHIP 180 5% 1/10W
1-216-033-00	s RES, CHIP 220 5% 1/10W
1-216-035-00	s RES, CHIP 270 5% 1/10W
1-216-037-00	s RES, CHIP 330 5% 1/10W
1-216-039-00	s RES, CHIP 390 5% 1/10W
1-216-041-00	s RES, CHIP 470 5% 1/10W
1-216-043-00	s RES, CHIP 560 5% 1/10W
1-216-045-00	s RES, CHIP 680 5% 1/10W
1-216-047-00	s RES, CHIP 820 5% 1/10W
1-216-049-00	s RES, CHIP 1k 5% 1/10W
1-216-051-00	s RES, CHIP 1.2k 5% 1/10W
1-216-053-00	s RES, CHIP 1.5k 5% 1/10W
1-216-055-00	s RES, CHIP 1.8k 5% 1/10W
1-216-057-00	s RES, CHIP 2.2k 5% 1/10W
1-216-059-00	s RES, CHIP 2.7k 5% 1/10W
1-216-061-00	s RES, CHIP 3.3k 5% 1/10W
1-216-063-00	s RES, CHIP 3.9k 5% 1/10W
1-216-065-00	s RES, CHIP 4.7k 5% 1/10W
1-216-067-00	s RES, CHIP 5.6k 5% 1/10W
1-216-069-00	s RES, CHIP 6.8k 5% 1/10W
1-216-071-00	s RES, CHIP 8.2k 5% 1/10W
1-216-073-00	s RES, CHIP 10k 5% 1/10W
1-216-075-00	s RES, CHIP 12k 5% 1/10W
1-216-077-00	s RES, CHIP 15k 5% 1/10W
1-216-079-00	s RES, CHIP 18k 5% 1/10W
1-216-081-00	s RES, CHIP 22k 5% 1/10W
1-216-083-00	s RES, CHIP 27k 5% 1/10W
1-216-085-00	s RES, CHIP 33k 5% 1/10W
1-216-748-11	s RES, CHIP 39k 5% 1/10W
1-216-089-00	s RES, CHIP 47k 5% 1/10W
1-216-091-00	s RES, CHIP 56k 5% 1/10W

RESISTOR, CHIP

Part No.	SP Description
1-216-093-00	s RES, CHIP 68k 5% 1/10W
1-216-095-00	s RES, CHIP 82k 5% 1/10W
1-216-097-00	s RES, CHIP 100k 5% 1/10W
1-216-099-00	s RES, CHIP 120k 5% 1/10W
1-216-101-00	s RES, CHIP 150k 5% 1/10W
1-216-103-00	s RES, CHIP 180k 5% 1/10W
1-216-105-00	s RES, CHIP 220k 5% 1/10W
1-216-107-00	s RES, CHIP 270k 5% 1/10W
1-216-109-00	s RES, CHIP 330k 5% 1/10W
1-216-111-00	s RES, CHIP 390k 5% 1/10W
1-216-113-00	s RES, CHIP 470k 5% 1/10W
1-216-115-00	s RES, CHIP 560k 5% 1/10W
1-216-117-00	s RES, CHIP 680k 5% 1/10W
1-216-119-00	s RES, CHIP 820k 5% 1/10W
1-216-121-00	s RES, CHIP 1.0M 5% 1/10W
1-216-123-11	s RES, CHIP 1.2M 5% 1/10W
1-216-125-00	s RES, CHIP 1.5M 5% 1/10W
1-216-127-11	s RES, CHIP 1.8M 5% 1/10W
1-216-129-00	s RES, CHIP 2.2M 5% 1/10W
1-216-131-11	s RES, CHIP 2.7M 5% 1/10W
1-216-133-00	s RES, CHIP 3.3M 5% 1/10W

AU-141 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-7515-273-A	o MOUNTED CIRCUIT BOARD, AU-141
C1	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2	1-124-119-00	s ELECT 330uF 20% 16V
C3	1-124-472-11	s ELECT 470uF 20% 10V
C4	1-126-160-11	s ELECT 1uF 20% 50V
C5	1-126-154-11	s ELECT 47uF 20% 6.3V
C6	1-163-243-11	s CERAMIC 47PF 5% 50V
C7	1-126-320-11	s ELECT, NONPOLAR 10uF 20% 16V
C8	1-163-251-11	s CERAMIC 100PF 5% 50V
C9	1-124-584-00	s ELECT 100uF 20% 10V
C10	1-124-584-00	s ELECT 100uF 20% 10V
C11	1-124-584-00	s ELECT 100uF 20% 10V
C12	1-126-157-11	s ELECT 10uF 20% 16V
C13	1-124-930-11	s ELECT 33uF 20% 100V
C14	1-124-257-00	s ELECT 2.2uF 20% 50V
C16	1-130-499-00	s MYLAR 0.22uF 5% 50V
C17	1-130-499-00	s MYLAR 0.22uF 5% 50V
C18	1-163-243-11	s CERAMIC 47PF 5% 50V
C19	1-163-243-11	s CERAMIC 47PF 5% 50V
C20	1-124-120-11	s ELECT 220uF 20% 25V
C21	1-126-101-11	s ELECT 100uF 20% 16V
C22	1-124-584-00	s ELECT 100uF 20% 10V
C23	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C24	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C25	1-124-257-00	s ELECT 2.2uF 20% 50V
CN1	1-506-468-11	o CONNECTOR, 3P, MALE
CN2	1-506-475-11	o CONNECTOR, 10P, MALE
CN3	1-506-469-11	o CONNECTOR, 4P, MALE
CN4	1-506-472-11	o CONNECTOR, 7P, MALE
CN5	1-506-467-11	o CONNECTOR, 2P, MALE
CP1	1-464-758-11	s CONVERTER, DC-DC (CD-54)
D1	8-719-105-64	s DIODE RD4.3M-B2
D2	8-719-800-76	s DIODE 1SS226
D3	8-719-800-76	s DIODE 1SS226
D4	8-719-800-76	s DIODE 1SS226
IC1	8-759-981-58	s IC RC2043MD
IC2	8-759-981-58	s IC RC2043MD
IC3	8-759-300-71	s IC MC14053BF
IC4	8-759-300-71	s IC MC14053BF
JK1	1-507-883-00	s JACK, SMALL TYPE 4P
L1	1-408-425-00	s INDUCTOR 220uH
Q1	8-729-100-66	s TRANSISTOR 2SC1623
Q2	8-729-216-22	s TRANSISTOR 2SA1162
Q9	8-729-216-22	s TRANSISTOR 2SA1162
Q10	8-729-100-66	s TRANSISTOR 2SC1623
Q11	8-729-100-66	s TRANSISTOR 2SC1623
R24	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W
R25	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W
RV1	1-230-523-11	s RES, ADJ, METAL 10K
RV2	1-237-506-21	s RES, ADJ, METAL 100K
S1	1-553-739-21	s SWITCH, TACTILE
T1	1-427-487-00	s TRANSFORMER, OUTPUT
T2	1-427-270-XX	s TRANSFORMER, OUTPUT
T3	1-427-487-00	s TRANSFORMER, OUTPUT

IF-313 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-7515-272-A	o MOUNTED CIRCUIT BOARD, IF-313
C1	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C2	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C3	1-163-243-11	s CERAMIC 47PF 5% 50V
C4	1-163-239-11	s CERAMIC 33PF 5% 50V
C5	1-163-097-00	s CERAMIC, CHIP 15PF 5% 50V
C6	1-163-217-11	s CERAMIC 1PF 0.25PF 50V
C7	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C8	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C9	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C10	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C11	1-163-243-11	s CERAMIC 47PF 5% 50V
C12	1-163-239-11	s CERAMIC 33PF 5% 50V
C13	1-163-097-00	s CERAMIC, CHIP 15PF 5% 50V
C14	1-163-217-11	s CERAMIC 1PF 0.25PF 50V
C15	1-126-391-11	s ELECT, CHIP 47uF 20% 6.3V
C16	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C17	1-126-401-11	s ELECT, CHIP 1uF 20% 50V
C18	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C19	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C20	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C21	1-126-401-11	s ELECT, CHIP 1uF 20% 50V
C22	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C23	1-126-176-11	s ELECT 220uF 20% 10V
C25	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C26	1-163-227-11	s CERAMIC 10PF 5% 50V
C27	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C28	1-126-393-11	s ELECT 33uF 20% 10V
C29	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C30	1-126-391-11	s ELECT, CHIP 47uF 20% 6.3V
C31	1-163-227-11	s CERAMIC 10PF 5% 50V
C32	1-163-085-00	s CERAMIC, CHIP 2PF 50V
C33	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C34	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C35	1-163-227-11	s CERAMIC 10PF 5% 50V
C36	1-163-085-00	s CERAMIC, CHIP 2PF 50V
C37	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C38	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C47	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C48	1-163-091-00	s CERAMIC, CHIP 8PF 50V
C49	1-163-227-11	s CERAMIC 10PF 5% 50V
C50	1-163-243-11	s CERAMIC 47PF 5% 50V
C51	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C52	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C53	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C54	1-163-243-11	s CERAMIC 47PF 5% 50V
C55	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C56	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C57	1-163-243-11	s CERAMIC 47PF 5% 50V
C58	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C59	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C60	1-163-227-11	s CERAMIC 10PF 5% 50V
C61	1-163-085-00	s CERAMIC, CHIP 2PF 50V
C62	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C63	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C67	1-163-239-11	s CERAMIC 33PF 5% 50V
C68	1-163-239-11	s CERAMIC 33PF 5% 50V
C69	1-126-402-11	s ELECT, CHIP 2.2uF 20% 50V

Please see pages D-7 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IF-313 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C70	1-163-275-11	s CERAMIC 0.001uF 5% 50V
C71	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C72	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C73	1-126-401-11	s ELECT, CHIP 1uF 20% 50V
C75	1-126-391-11	s ELECT, CHIP 47uF 20% 6.3V
CN1	1-566-581-11	o CONNECTOR, MULTI 50P
CN2	1-506-702-11	o CONNECTOR, ILG 3P,
CN3	1-506-702-11	o CONNECTOR, ILG 3P,
CN4	1-506-474-11	o CONNECTOR, 9P, MALE
CN5	1-506-467-11	o CONNECTOR, 2P, MALE
CN6	1-506-471-11	o CONNECTOR, 6P, MALE
CN7	1-506-470-11	o CONNECTOR, 5P, MALE
CN8	1-506-469-11	o CONNECTOR, 4P, MALE
CN9	1-506-472-11	o CONNECTOR, 7P, MALE
D1	8-719-800-76	s DIODE 1SS226
D2	8-719-800-76	s DIODE 1SS226
D3	8-719-104-34	s DIODE 1S2836
D4	8-719-104-34	s DIODE 1S2836
D5	8-719-106-08	s DIODE RD6.2M-B2
D6	8-719-104-34	s DIODE 1S2836
D7	8-719-105-91	s DIODE RD5.6M-B2
D8	8-719-106-44	s DIODE RD9.1M-B2
IC1	8-759-100-96	s IC UPC4558G2
IC2	8-759-300-71	s IC MC14053BF
IC3	8-759-100-96	s IC UPC4558G2
IC4	8-759-009-06	s IC MC14052BF
IC5	8-759-300-71	s IC MC14053BF
IC6	8-759-300-71	s IC MC14053BF
IC7	8-759-323-63	s IC HD6305YOE26F
IC8	8-759-209-97	s IC TC4S81F
IC9	8-759-981-65	s IC LM2903M
IC13	8-759-981-65	s IC LM2903M
L2	1-408-783-00	s CHIP 33uH
Q1	8-729-403-32	s TRANSISTOR XN6534
Q2	8-729-403-32	s TRANSISTOR XN6534
Q3	8-729-109-44	s TRANSISTOR 2SK94
Q4	8-729-402-19	s TRANSISTOR XN6501
Q5	8-729-403-32	s TRANSISTOR XN6534
Q6	8-729-403-32	s TRANSISTOR XN6534
Q7	8-729-109-44	s TRANSISTOR 2SK94
Q8	8-729-402-19	s TRANSISTOR XN6501
Q9	8-729-402-84	s TRANSISTOR XN4601
Q11	8-729-403-32	s TRANSISTOR XN6534
Q12	8-729-403-32	s TRANSISTOR XN6534
Q13	8-729-402-78	s TRANSISTOR XN6401
Q14	8-729-100-66	s TRANSISTOR 2SC1623
Q15	8-729-402-78	s TRANSISTOR XN6401
Q16	8-729-175-72	s TRANSISTOR 2SC2757-T33
Q17	8-729-402-19	s TRANSISTOR XN6501
Q18	8-729-402-84	s TRANSISTOR XN4601
Q19	8-729-402-78	s TRANSISTOR XN6401
Q20	8-729-402-78	s TRANSISTOR XN6401
Q21	8-729-402-78	s TRANSISTOR XN6401
Q22	8-729-402-84	s TRANSISTOR XN4601
Q23	8-729-403-32	s TRANSISTOR XN6534
Q24	8-729-402-19	s TRANSISTOR XN6501
Q25	8-729-402-78	s TRANSISTOR XN6401
Q26	8-729-402-84	s TRANSISTOR XN4601

(IF-313 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q27	8-729-403-32	s TRANSISTOR XN6534
Q28	8-729-402-19	s TRANSISTOR XN6501
Q29	8-729-402-78	s TRANSISTOR XN6401
Q30	8-729-402-84	s TRANSISTOR XN4601
Q31	8-729-403-32	s TRANSISTOR XN6534
Q32	8-729-402-19	s TRANSISTOR XN6501
Q33	8-729-402-78	s TRANSISTOR XN6401
Q35	8-729-402-78	s TRANSISTOR XN6401
Q36	8-729-402-19	s TRANSISTOR XN6501
Q37	8-729-122-63	s TRANSISTOR 2SA1226
Q38	8-729-402-19	s TRANSISTOR XN6501
Q39	8-729-402-78	s TRANSISTOR XN6401
Q58	8-729-402-84	s TRANSISTOR XN4601
Q59	8-729-100-66	s TRANSISTOR 2SC1623
Q60	8-729-402-84	s TRANSISTOR XN4601
Q61	8-729-201-05	s TRANSISTOR 2SC2878-B
Q62	8-729-402-78	s TRANSISTOR XN6401
Q63	8-729-109-44	s TRANSISTOR 2SK94
Q64	8-729-109-44	s TRANSISTOR 2SK94
Q65	8-729-109-44	s TRANSISTOR 2SK94
Q66	8-729-100-66	s TRANSISTOR 2SC1623
R1	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R25	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R54	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R61	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R68	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W
R69	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W
R81	1-216-623-11	s METAL, CHIP 68 0.5% 1/10W
R92	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R93	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R97	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R98	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R105	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R107	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R108	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R112	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R113	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R120	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R122	1-216-679-11	s METAL, CHIP 15K 0.5% 1/10W
R123	1-216-679-11	s METAL, CHIP 15K 0.5% 1/10W
R152	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R160	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R161	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R168	1-216-623-11	s METAL, CHIP 68 0.5% 1/10W
R174	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R199	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R203	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R211	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R213	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R216	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R217	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R224	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R277	1-216-686-11	s METAL, CHIP 30K 0.5% 1/10W
R282	1-216-649-11	s METAL, CHIP 820 0.5% 1/10W
R285	1-216-649-11	s METAL, CHIP 820 0.5% 1/10W
R288	1-216-649-11	s METAL, CHIP 820 0.5% 1/10W
RV1	1-230-520-11	s RES, ADJ, METAL 1K
RV2	1-230-520-11	s RES, ADJ, METAL 1K

Please see pages D-7 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IF-313 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RV3	1-230-520-11	s RES, ADJ, METAL 1K
S1	1-570-854-11	s SWITCH, SLIDE
X1	1-567-192-11	s RESONATOR, CERAMIC 4.00MHz

SW-416 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-7520-537-A	o MOUNTED CIRCUIT BOARD, SW-416
1pc	1-562-736-11	o HOUSING, 3P
1pc	1-562-739-11	o HOUSING, CONNECTOR 6P
1pc	1-564-831-11	o CONTACT, FEMALE
1pc	1-569-193-11	s CONTACT
1pc	1-569-196-11	o HOUSING, 3P
1pc	1-569-200-11	o HOUSING, CONNECTOR 7P
1pc	1-569-202-11	o HOUSING, CONNECTOR 9P
1pc	1-569-203-31	o HOUSING, CONNECTOR 10P
3pcs	3-167-445-02	s KNOB, SWITCH
CN2	1-506-467-11	o CONNECTOR, 2P, MALE
S1	1-571-259-11	s SWITCH, SLIDE
S2	1-571-259-11	s SWITCH, SLIDE
S3	1-571-798-11	s SWITCH, SLIDE

FRAME

Ref. No. or Q'ty	Part No.	SP Description
C101	1-161-051-00	s CERAMIC 0.01uF 10% 50V
C102	1-161-051-00	s CERAMIC 0.01uF 10% 50V
C103	1-161-051-00	s CERAMIC 0.01uF 10% 50V
C104	1-161-051-00	s CERAMIC 0.01uF 10% 50V
CN101	1-563-096-11	s CONNECTOR, 3P FEMALE (WITH SW) "MIC
	1-569-193-11	s CONTACT
	1-569-197-11	o PLUG HOUSING, 4P
CN102	1-948-158-11	o HARNESS (CCZ) "VTR/CCU/CMA"
	1-560-372-00	o CONTACT, AWG22-28
	1-561-515-00	o HOUSING, ILG 3P FEMALE
	1-562-244-00	o CONNECTOR, 26P MALE
	1-569-193-11	s CONTACT, AWG24-30
	1-569-195-11	o HOUSING, CONNECTOR 2P
	1-569-197-11	o PLUG HOUSING, 4P
	1-569-198-11	o PLUG HOUSING, 5P
	1-569-199-11	o PLUG HOUSING, 6P
	1-569-200-41	o HOUSING, CONNECTOR 7P
CN103	1-564-603-11	s CONNECTOR (WITH DC SW) 4P, MALE
	1-560-372-00	o CONTACT, AWG22-28
	1-561-515-00	o HOUSING, ILG 3P FEMALE
CN104	1-561-781-11	s CONNECTOR, BNC, FEMALE "GEN LOCK"
J101	1-507-756-31	s JACK "EARPHONE"
	1-569-193-11	s CONTACT
	1-569-195-11	o HOUSING, CONNECTOR 2P
S101	1-552-665-00	s SWITCH, MICRO "BATTERY"

1.5INCH ELECTRONIC VIEWFINDER

DXF-501



SPECIFICATIONS

Picture tube	1.5-inch monochrome
Indicators	REC/TALLY indicator BATT indicator SHUTTER indicator GAIN UP indicator
Resolution	400 lines
Power requirements	12 V DC
Power consumption	2.3 W
Weight	Approx. 500 g (1 lb 2 oz)
Dimensions	Approx. 182 × 68 × 205 mm (w/h/d)
Supplied accessory	Operating Instructions (1)

Design and specifications are subject to change without notice.

SONY®

SERVICE MANUAL

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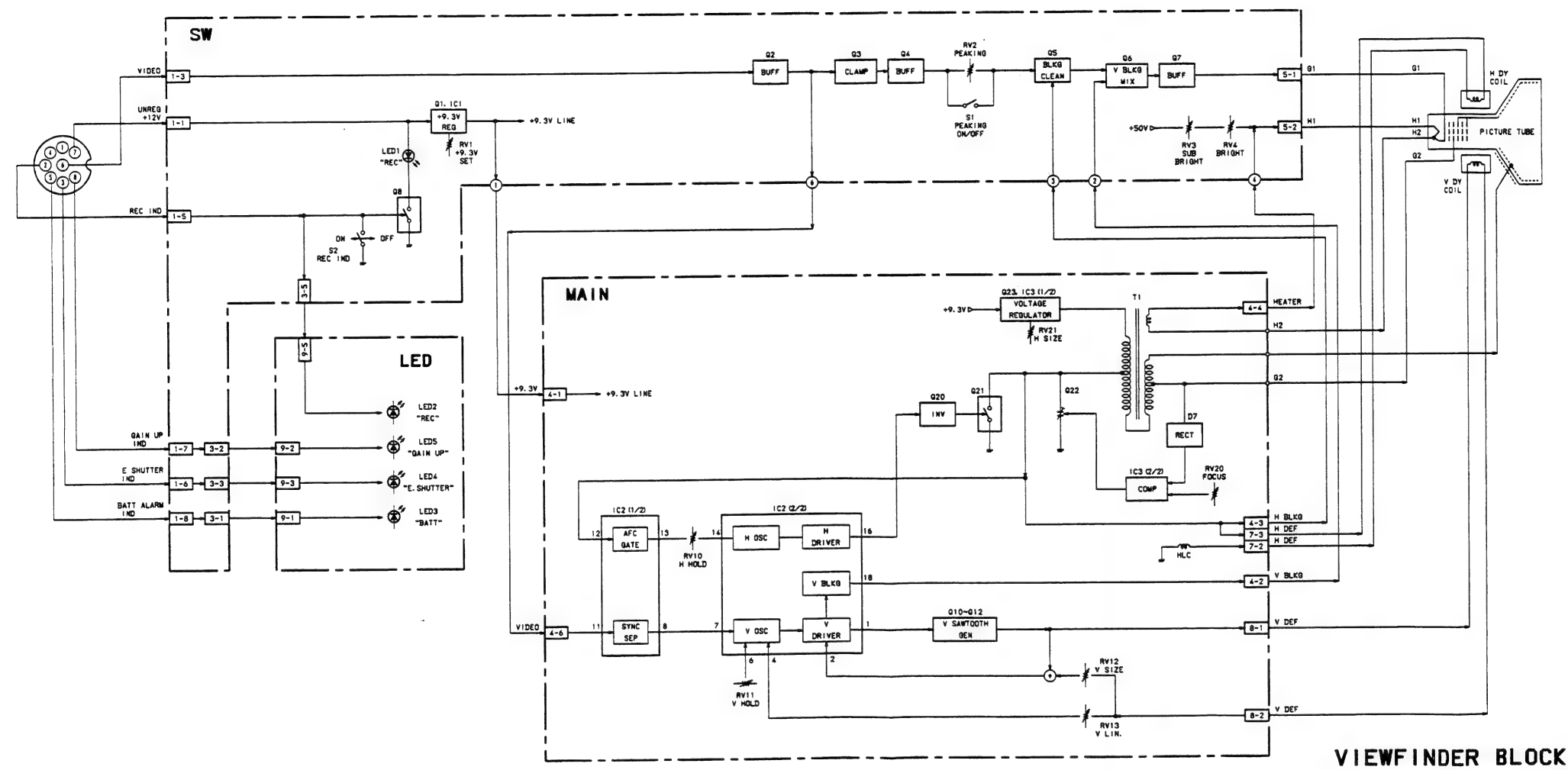
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SECTION A

BLOCK DIAGRAM

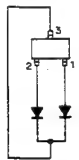


SECTION B SEMICONDUCTOR PIN ASSIGNMENTS

The circuit diagram of IC is obtained from the IC data book published by the manufacturer.

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TOP VIEW (SCALE 4/1)

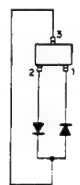


1S2837
DAN202K



1SS133
1SS136
ERA15-06
ERA22-08

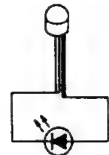
TOP VIEW (SCALE 4/1)



DA204K



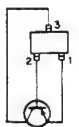
SLH-56VT



TLO102A
TLR109A

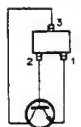
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TOP VIEW (SCALE 4/1)



2SA812
2SB624

TOP VIEW (SCALE 4/1)



2SC2812
2SC2814
2SC3722K



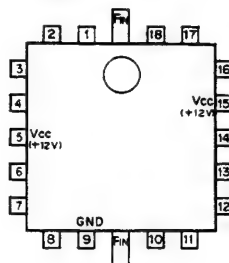
2SD1220



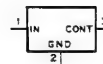
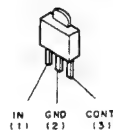
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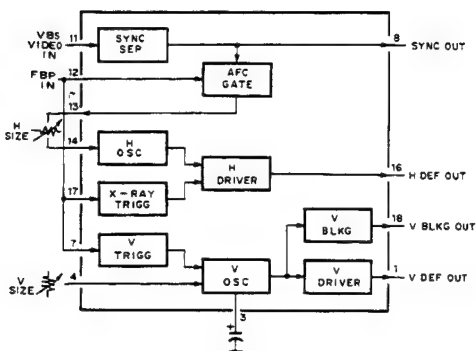
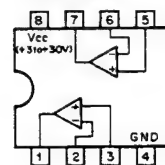
HA11423MP (HITACHI) FLAT PACKAGE
TV H/V SYNC SIGNAL PROCESSOR
- TOP VIEW -



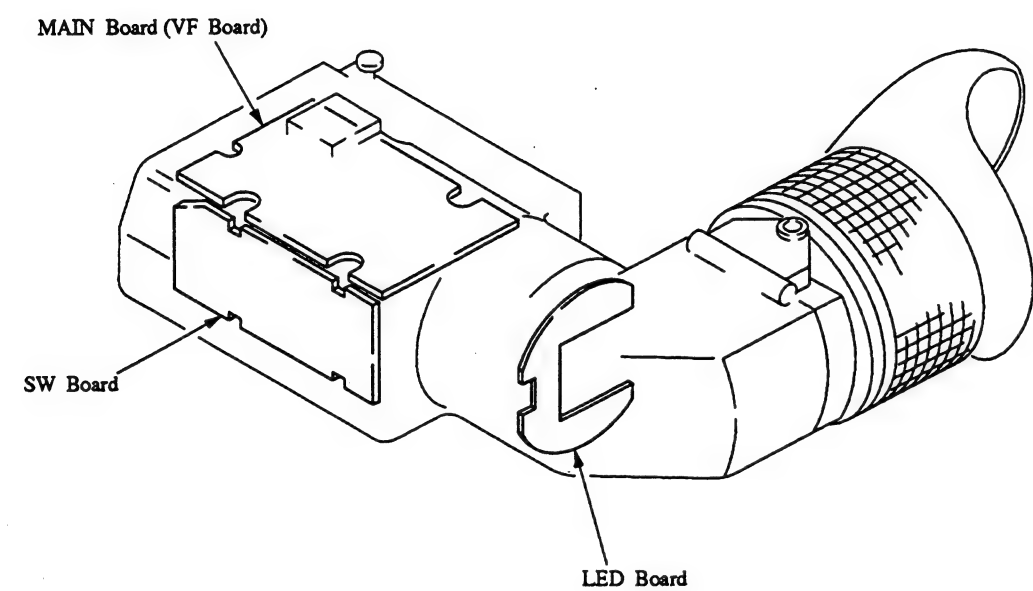
M5236ML (MITSUBISHI)
ADJUSTABLE VOLTAGE REGULATOR



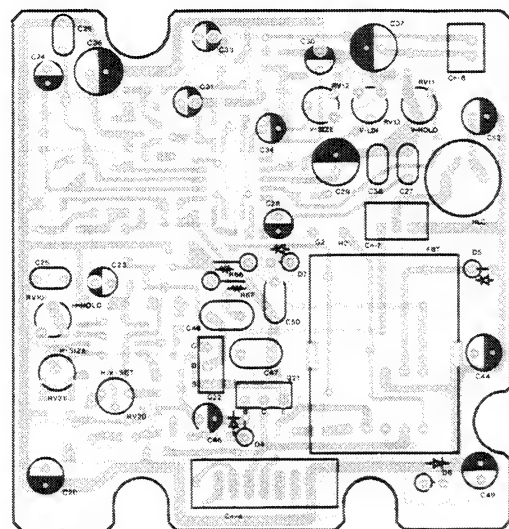
μPC358G2 (NEC) FLAT PACKAGE
DUAL OPERATIONAL AMPLIFIERS
- TOP VIEW -



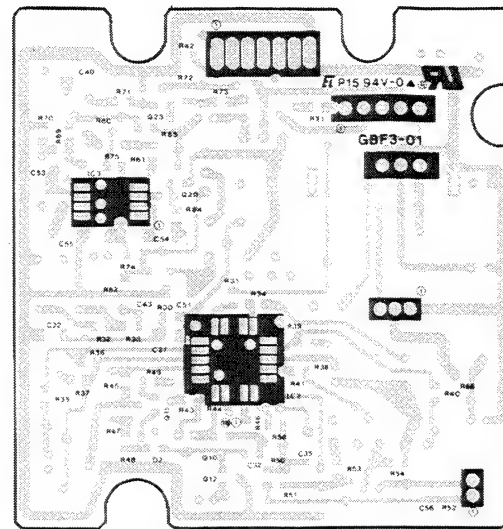
SECTION C
SCHEMATIC DIAGRAMS AND BOARD ILLUSTRATIONS



MAIN BOARD

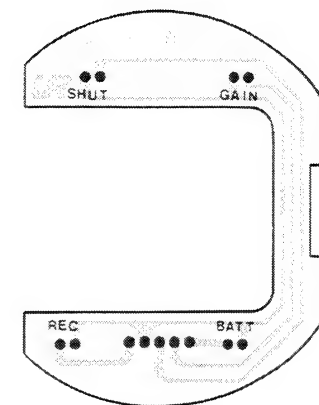


COMPONENT SIDE



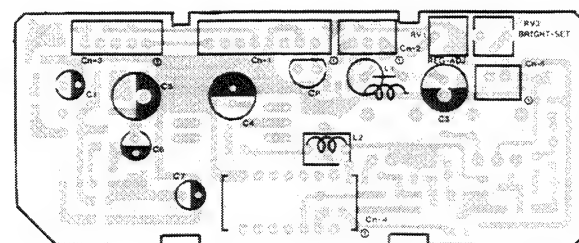
SOLDERING SIDE

LED BOARD

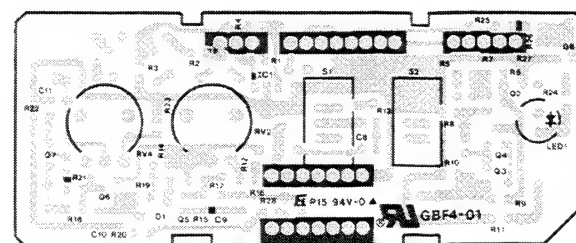


COMPONENT SIDE

SW BOARD

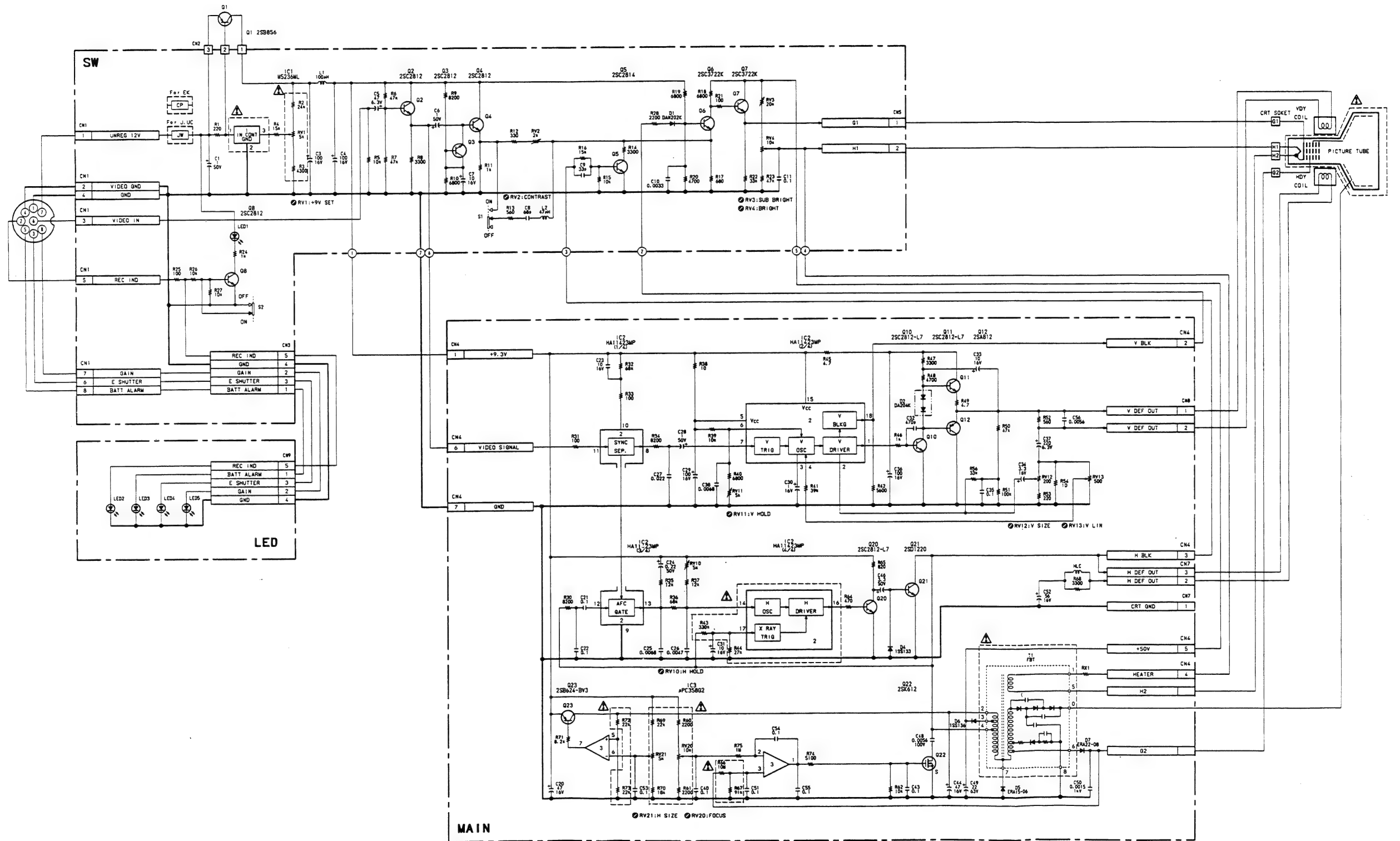


COMPONENT SIDE



SOLDERING SIDE


FRAME



SECTION D SPARE PARTS

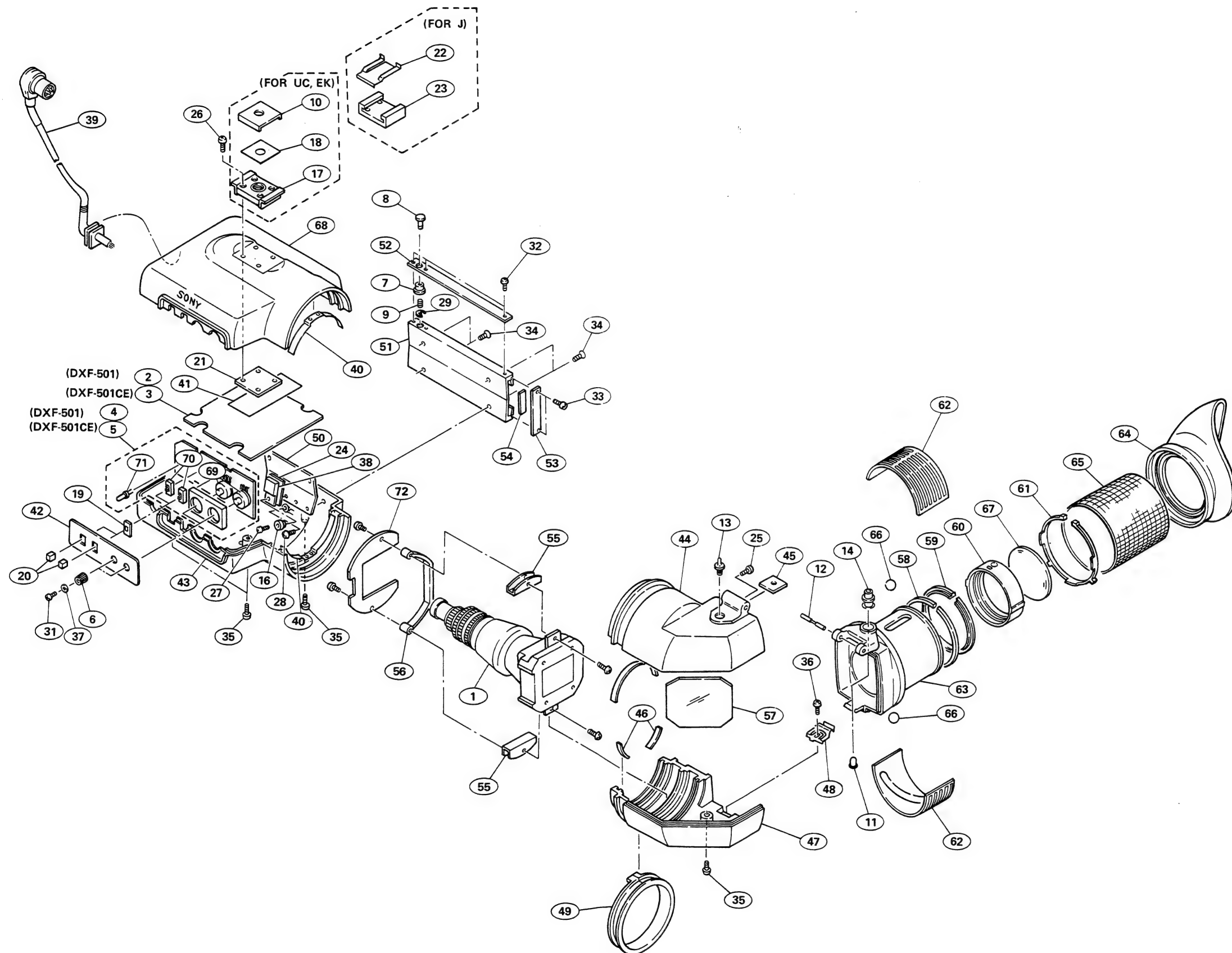
PARTS INFORMATION

1. Safety Related Component Warning

Components identified by shading marked with  on the schematic diagrams, exploded views and electrical spare parts list are critical to safe operation. Replace these components with Sony parts whose parts numbers appear as shown in this manual or in service manual supplements published by Sony.

2. Replacement Parts supplied from Sony Parts Center will sometimes have different shape and outside view from the parts which actually in use. This is due to **"accommodating the improved parts and/or engineering changes" or "standardization of genuine parts."** This manual's exploded view and electrical spare parts lists are indicating the parts numbers of "the standardized genuine parts at present." Regarding engineering parts and diagrams changes in our engineering department, refer to SONY service bulletins and service manual supplements.
3. The parts marked with "S" in the SP column of the exploded views and electrical spare parts list are normally required for routine service work. Orders for parts marked with "O" will be processed, but allow for additional delivery time.
4. Item with no parts number and/or no description are not stocked because they are seldom required for routine service.
5. All capacitors are in micro farads unless otherwise specified.
All inductors are in micro henries unless otherwise specified.
All resistors are in ohms.

EXPLODED VIEW



No.	Part No.	SP Description		
1	△ 1-546-078-11	s CRT/DY ASSY	55	9-994-826-01 o STOPPER, PWB
2	1-589-128-11	o MAIN BOARD (for DXF-501)	56	9-994-827-01 o COLLER
3	1-589-128-21	o MAIN BOARD (for DXF-501CE)	57	9-997-916-01 o MIRROR
4	1-589-129-11	o SW BOARD (for DXF-501)	58	9-997-917-01 o SPACER
5	1-589-129-21	o SW BOARD (for DXF-501CE)	59	9-997-918-01 o RING, LOCK
6	2-277-453-00	s KNOB, CONTROL	60	9-997-919-01 o HOLDER A, LENS
7	2-277-456-00	s COLLER, STOPPER	61	9-997-920-01 o HOLDER B, LENS
8	2-277-457-00	s KNOB, STOPPER	62	9-997-921-01 o RING, ADJUSTMENT
9	2-277-466-01	s SPRING, COMPRESSION	63	9-997-922-01 o LID
10	2-277-468-01	o PLATE, ORNAMENTAL, CAMERA, SHOE	64	9-997-923-01 s EYECUP
11	2-381-461-02	s PIN, BLIND	65	9-997-924-01 o RING, RUBBER
12	2-381-462-01	s PIN	66	9-997-925-01 o BALL, STEEL
13	2-381-468-01	s PIN, STOPPER	67	3-680-417-01 s LUPE B, VF
14	2-381-472-02	o STOPPER	68	9-998-810-01 o CASE, TOP
16	2-832-007-00	s BUSHING (K), INSULATING	69	1-230-075-00 s RES, VAR, METAL 2K "CONTR" "BRIGHT"
17	3-657-700-00	s BRACKET, ACCESSORY	70	1-570-845-11 s SWITCH, SLIDE
18	3-672-213-01	o SHEET, ADHESIVE		"TALLY ON/OFF" "PEAKING ON/OFF"
19	3-680-604-01	o PLATE, BLIND	71	9-994-802-01 s DIODE SLH-56VT
20	3-680-605-00	o CAP, SLIDE	72	1-589-127-11 o LED BOARD
21	3-688-709-01	s NUT, PLATE, SHOE		
24	3-703-037-00	s INSULATOR, TO-220		
25	7-621-255-25	s SCREW +P2X4		
26	7-621-255-52	s SCREW +P2X8		
27	7-621-773-95	s SCREW +B2.6X6		
28	7-621-775-00	s SCREW +B2.6X3		
29	7-624-102-04	s STOP RING, TYPE E		
31	7-627-552-58	s SCREW, PRECISION +P1.7X5		
32	7-627-553-28	s SCREW, PRECISION +P2X2.5		
33	7-627-553-68	s SCREW, PRECISION +P2X6		
34	7-682-248-09	s SCREW +K3X8		
35	7-682-550-09	s SCREW +B3X12		
36	7-685-131-19	s SCREW +BTP2.6X4		
37	7-688-008-04	s WASHER		
38	8-729-385-82	s TRANSISTOR 2SB858		
39	9-994-797-01	s CABLE, VF		
40	9-994-811-01	o SPRING, PLATE		
41	9-994-812-01	o INSULATOR		
42	9-994-813-01	o LABEL, SWITCH		
43	9-994-814-01	o CASE, BOTTOM		
44	9-994-815-01	o HOLDER T, OUTSIDE		
45	9-994-816-01	o PLATE, NUT		
46	9-994-817-01	o MOLT		
47	9-994-818-01	o HOLDER B, OUTSIDE		
48	9-994-819-01	o PIN, LOCK		
49	9-994-820-01	o RING, SLIDE		
50	9-994-821-01	o NUT, PLATE, CASE		
51	9-994-822-01	o GUIDE, VF SLIDE		
52	9-994-823-01	o LABEL, SLIDE		
53	9-994-824-01	o STOPPER		
54	9-994-825-01	o RUBBER, STOPPER		

Ref. No. Part No. SP Description

RESISTOR, CHIP

1/10W

0 - 3.3M (E12) +-5% 1/10W

1-216-295-00	s	RES, CHIP	0	5%	1/10W
1-216-298-00	s	RES, CHIP	2.2	5%	1/10W
1-216-302-00	s	RES, CHIP	2.7	5%	1/10W
1-216-304-00	s	RES, CHIP	3.3	5%	1/10W
1-216-306-00	s	RES, CHIP	3.9	5%	1/10W
1-216-308-00	s	RES, CHIP	4.7	5%	1/10W
1-216-309-00	s	RES, CHIP	5.6	5%	1/10W
1-216-311-00	s	RES, CHIP	6.8	5%	1/10W
1-216-313-00	s	RES, CHIP	8.2	5%	1/10W
1-216-001-00	s	RES, CHIP	10	5%	1/10W
1-216-003-00	s	RES, CHIP	12	5%	1/10W
1-216-005-00	s	RES, CHIP	15	5%	1/10W
1-216-007-00	s	RES, CHIP	18	5%	1/10W
1-216-009-00	s	RES, CHIP	22	5%	1/10W
1-216-011-00	s	RES, CHIP	27	5%	1/10W
1-216-013-00	s	RES, CHIP	33	5%	1/10W
1-216-015-00	s	RES, CHIP	39	5%	1/10W
1-216-017-00	s	RES, CHIP	47	5%	1/10W
1-216-019-00	s	RES, CHIP	56	5%	1/10W
1-216-021-00	s	RES, CHIP	68	5%	1/10W
1-216-023-00	s	RES, CHIP	82	5%	1/10W
1-216-025-00	s	RES, CHIP	100	5%	1/10W
1-216-027-00	s	RES, CHIP	120	5%	1/10W
1-216-029-00	s	RES, CHIP	150	5%	1/10W
1-216-031-00	s	RES, CHIP	180	5%	1/10W
1-216-033-00	s	RES, CHIP	220	5%	1/10W
1-216-035-00	s	RES, CHIP	270	5%	1/10W
1-216-037-00	s	RES, CHIP	330	5%	1/10W
1-216-039-00	s	RES, CHIP	390	5%	1/10W
1-216-041-00	s	RES, CHIP	470	5%	1/10W
1-216-043-00	s	RES, CHIP	560	5%	1/10W
1-216-045-00	s	RES, CHIP	680	5%	1/10W
1-216-047-00	s	RES, CHIP	820	5%	1/10W
1-216-049-00	s	RES, CHIP	1k	5%	1/10W
1-216-051-00	s	RES, CHIP	1.2k	5%	1/10W
1-216-053-00	s	RES, CHIP	1.5k	5%	1/10W
1-216-055-00	s	RES, CHIP	1.8k	5%	1/10W
1-216-057-00	s	RES, CHIP	2.2k	5%	1/10W
1-216-059-00	s	RES, CHIP	2.7k	5%	1/10W
1-216-061-00	s	RES, CHIP	3.3k	5%	1/10W
1-216-063-00	s	RES, CHIP	3.9k	5%	1/10W
1-216-065-00	s	RES, CHIP	4.7k	5%	1/10W
1-216-067-00	s	RES, CHIP	5.6k	5%	1/10W
1-216-069-00	s	RES, CHIP	6.8k	5%	1/10W
1-216-071-00	s	RES, CHIP	8.2k	5%	1/10W
1-216-073-00	s	RES, CHIP	10k	5%	1/10W
1-216-075-00	s	RES, CHIP	12k	5%	1/10W
1-216-077-00	s	RES, CHIP	15k	5%	1/10W
1-216-079-00	s	RES, CHIP	18k	5%	1/10W
1-216-081-00	s	RES, CHIP	22k	5%	1/10W

Ref. No. Part No. SP Description

1-216-083-00	s	RES, CHIP	27k	5%	1/10W
1-216-085-00	s	RES, CHIP	33k	5%	1/10W
1-216-087-00	s	RES, CHIP	39k	5%	1/10W
1-216-089-00	s	RES, CHIP	47k	5%	1/10W
1-216-091-00	s	RES, CHIP	56k	5%	1/10W
1-216-093-00	s	RES, CHIP	68k	5%	1/10W
1-216-095-00	s	RES, CHIP	82k	5%	1/10W
1-216-097-00	s	RES, CHIP	100k	5%	1/10W
1-216-099-00	s	RES, CHIP	120k	5%	1/10W
1-216-101-00	s	RES, CHIP	150k	5%	1/10W
1-216-103-00	s	RES, CHIP	180k	5%	1/10W
1-216-105-00	s	RES, CHIP	220k	5%	1/10W
1-216-107-00	s	RES, CHIP	270k	5%	1/10W
1-216-109-00	s	RES, CHIP	330k	5%	1/10W
1-216-111-00	s	RES, CHIP	390k	5%	1/10W
1-216-113-00	s	RES, CHIP	470k	5%	1/10W
1-216-115-00	s	RES, CHIP	560k	5%	1/10W
1-216-117-00	s	RES, CHIP	680k	5%	1/10W
1-216-119-00	s	RES, CHIP	820k	5%	1/10W
1-216-121-00	s	RES, CHIP	1.0M	5%	1/10W
1-216-123-00	s	RES, CHIP	1.2M	5%	1/10W
1-216-125-00	s	RES, CHIP	1.5M	5%	1/10W
1-216-127-00	s	RES, CHIP	1.8M	5%	1/10W
1-216-129-00	s	RES, CHIP	2.2M	5%	1/10W
1-216-131-00	s	RES, CHIP	2.7M	5%	1/10W
1-216-133-00	s	RES, CHIP	3.3M	5%	1/10W

Ref. No. Part No. SP Description

MAIN BOARD

1-589-128-11 o MOUNTED CIRCUIT BOARD
"MAIN"
9-994-794-01 s CRT

C20 9-994-781-01 s TANTALUM 47 16V
C21 1-163-038-11 s CHIP CERAMIC 0.1 25V
C22 1-163-038-11 s CHIP CERAMIC 0.1 25V
C23 1-126-157-11 s ELECT 10 20% 16V
C24 1-124-464-11 s ELECT 0.22 20% 50V

C26 9-994-780-01 s P-P CONDENCER 0.0047
C28 1-124-438-11 s ELECT 1 20% 50V
C29 1-124-584-11 s ELECT 100 20% 10V
C30 1-131-347-00 s TANTALUM 1 10% 35V
C31 1-126-157-11 s ELECT 10 20% 16V

C32 1-163-133-11 s CHIP CERAMIC 470PF 5% 50V
C33 1-126-157-11 s ELECT 10 20% 16V
C34 1-126-162-11 s ELECT 3.3 20% 50V
C35 1-163-088-11 s CHIP CERAMIC 0.1 25V
C36 1-124-455-00 s ELECT 100 20% 16V

C37 9-994-777-01 s ELECT 220 6.3V
C38 1-130-481-11 s CAP,PE TEREPHTHALATE
0.0068 5% 50V

C40 1-163-088-11 s CHIP CERAMIC 0.1 25V
C43 1-163-088-11 s CHIP CERAMIC 0.1 25V
C44 9-994-782-01 s TANTALUM 47 16V

C46 1-126-162-11 s ELECT 3.3 20% 50V
C48 9-994-783-01 s 0.0056 100V
C49 9-994-778-01 s ELECT 22 63V
C50 9-994-784-01 s 0.0015 1K
C51 1-163-088-11 s CHIP CERAMIC 0.1 25V

C52 9-994-779-01 s ELECT 56 16V
C53 1-163-088-11 s CHIP CERAMIC 0.1 25V
C54 1-163-088-11 s CHIP CERAMIC 0.1 25V
C55 1-163-088-11 s CHIP CERAMIC 0.1 25V

CN4 9-994-791-01 o RECEPTACLE, 7P
CN7 9-994-792-01 o RECEPTACLE, 3P
CN8 9-994-793-01 o RECEPTACLE, 2P

D2 8-719-914-42 s DA204K
D4 8-719-911-19 s 1SS119
D5 9-994-773-01 s ERA15-06
D6 9-994-774-01 s 1SS136
D7 8-719-948-45 s ERA22-08

Ref. No. Part No. SP Description

HLC 1-459-823-11 s COIL,HORIZONTAL LINEARITY

IC2 8-759-300-28 s HA11423MP: HITACHI
IC3 8-759-100-94 s μ PC358G2:

Q10 8-729-881-23 s 2SC2812-L7
Q11 8-729-881-23 s 2SC2812-L7
Q12 8-729-100-76 s 2SA812
Q20 8-729-881-23 s 2SC2812-L7
Q21 9-994-771-01 s 2SD1220

Q22 8-729-119-00 s 2SK612
Q23 8-729-162-43 s 2SB624-BV3

R43 Δ 1-216-109-11 s CHIP 330K 5% 1/10W
R44 Δ 1-216-083-11 s CHIP 27K 5% 1/10W
R60 Δ 1-216-057-11 s CHIP 2.2K 5% 1/10W
R61 Δ 1-216-057-11 s CHIP 2.2K 5% 1/10W
R66 Δ 9-994-785-01 s 10M
R67 Δ 9-994-786-01 s 91K

R69 Δ 1-216-081-11 s CHIP 22K 5% 1/10W
R70 Δ 1-216-079-11 s CHIP 18K 5% 1/10W
R72 Δ 1-216-081-11 s CHIP 22K 5% 1/10W
R73 Δ 1-216-081-11 s CHIP 22K 5% 1/10W

RV10 9-994-787-01 s 5K
RV11 9-994-788-01 s 5K
RV12 9-994-789-01 s 200
RV13 9-994-790-01 s 500

RV20 Δ 1-228-459-11 s METAL 10K
RV21 Δ 1-228-458-11 s METAL 5K

T1 Δ 1-439-419-11 s F8T

Ref. No. Part No. SP Description

SW BOARD

1-589-129-11 o MOUNTED CIRCUIT BOARD "SW"
(J,UC)
1-589-129-21 o MOUNTED CIRCUIT BOARD "SW"
(EK)

C1 1-124-438-11 s ELECT 1 20% 50V
C3 1-124-584-11 s ELECT 100 20% 10V
C4 1-124-584-11 s ELECT 100 20% 10V
C5 1-126-154-11 s ELECT 47 20% 6.3V
C6 1-124-438-11 s ELECT 1 20% 50V

C7 1-124-462-11 s ELECT 10 20% 16V
C8 1-163-113-11 s CHIP CERAMIC 68PF 5% 50V
C9 1-163-105-11 s CHIP CERAMIC 33PF 5% 50V
C10 1-163-015-11 s CHIP CERAMIC 0.0033 10%
50V
C11 1-163-038-11 s CHIP CERAMIC 0.1 25V

CN1 9-994-803-01 o 8P
CN2 9-994-804-01 o 3P
CN3 9-994-805-01 o 5P
CN4 9-994-806-01 o 7S
CN5 9-994-807-01 o 2P

CP 9-994-808-01 s PROTECTORS ICP-N10(EK)

D1 8-719-914-43 s DAN202K

IC1 Δ 8-759-630-27 s M5236ML: MITSUBISHI

L1 9-994-800-01 s 100μH
L2 9-994-801-01 s 47μH

LED1 9-994-802-01 s SLH-56VT

Q2 8-729-881-23 s 2SC2812-L7
Q3 8-729-881-23 s 2SC2812-L7
Q4 8-729-881-23 s 2SC2812-L7
Q5 1-806-828-11 s 2SC2814
Q6 9-994-796-01 s 2SC3722K

Q7 9-994-796-01 s 2SC3722K
Q8 8-729-881-23 s 2SC2812-L7

Ref. No. Part No. SP Description

R2 Δ 9-994-799-01 s CHIP 24K 5% 1/10W
R3 Δ 1-216-064-11 s CHIP 4.3K 5% 1/10W

RV1 Δ 1-228-473-11 s METAL 5K
RV2 1-230-075-11 s CARBON 2K "CONTR"
RV3 1-228-475-11 s METAL 20K
RV4 1-226-368-11 s CARBON 10K "BRIGHT"

S1 1-570-845-11 s SLIDE "PEAKING ON/OFF"
S2 1-570-845-11 s SLIDE "TALLY ON/OFF"

LED BOARD

1-589-127-11 o MAUNTED CIRCUIT BOARD
"LED"

9-994-810-01 o LED PWB

CN9 9-994-809-01 o RECEPTACLE, 5P

LED2 8-719-800-25 s TLR109A
LED3 8-719-800-25 s TLR109A
LED4 8-719-800-25 s TLR109A
LED5 8-719-800-19 s TLO102A

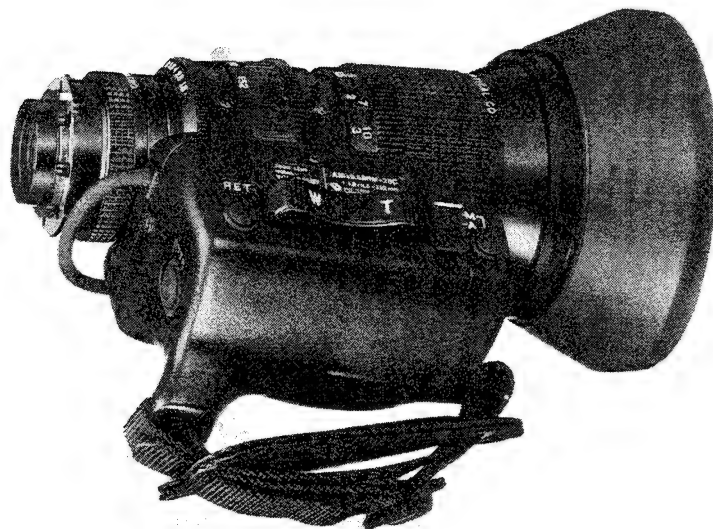
FRAME

Q1 8-729-315-63 s 2SB856

PACKING MATERIAL AND ACCESSORIES

3-166-610-01 o CARTON, INDIVIDUAL(UC)
3-166-612-01 o CARTON, INDIVIDUAL(EK)
3-699-152-01 o CUSHION, UPPER
3-699-153-03 o CUSHION, LOWER
3-701-627-01 o BAG, POLY

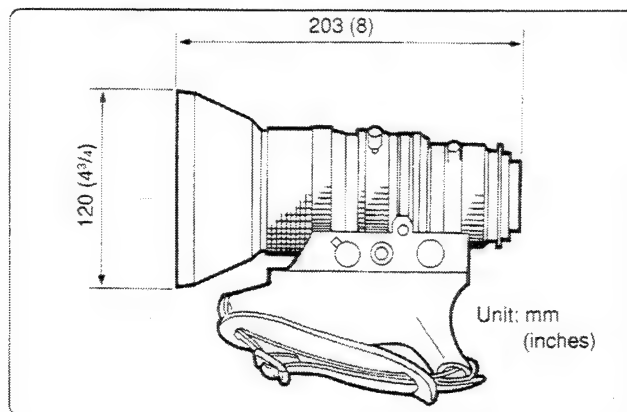
ZOOM LENS



SPECIFICATIONS

Focal length	9.5 to 152 mm
Zoom	Manual and motorized, selectable Zooming ratio: 16x
Maximum aperture ratio	1:1.8
Iris control	Manual and auto, selectable 1.8 to 16 and C (closed)
Range of object field (at the distance of 0.95 m)	W (wide angle): 823 × 617 mm (32 1/2 × 24 3/8 inches) T (telephoto): 51 × 38 mm (2 1/8 × 1 1/2 inches)
Minimum object distance	0.95 m
Filter thread	77 mm dia., 0.75 pitch
Mount	Bayonet mount, 2/3 inch
Weight	About 1.4 kg (3 lb 1 oz) without lens hood
Supplied accessory	Operating instructions (1)

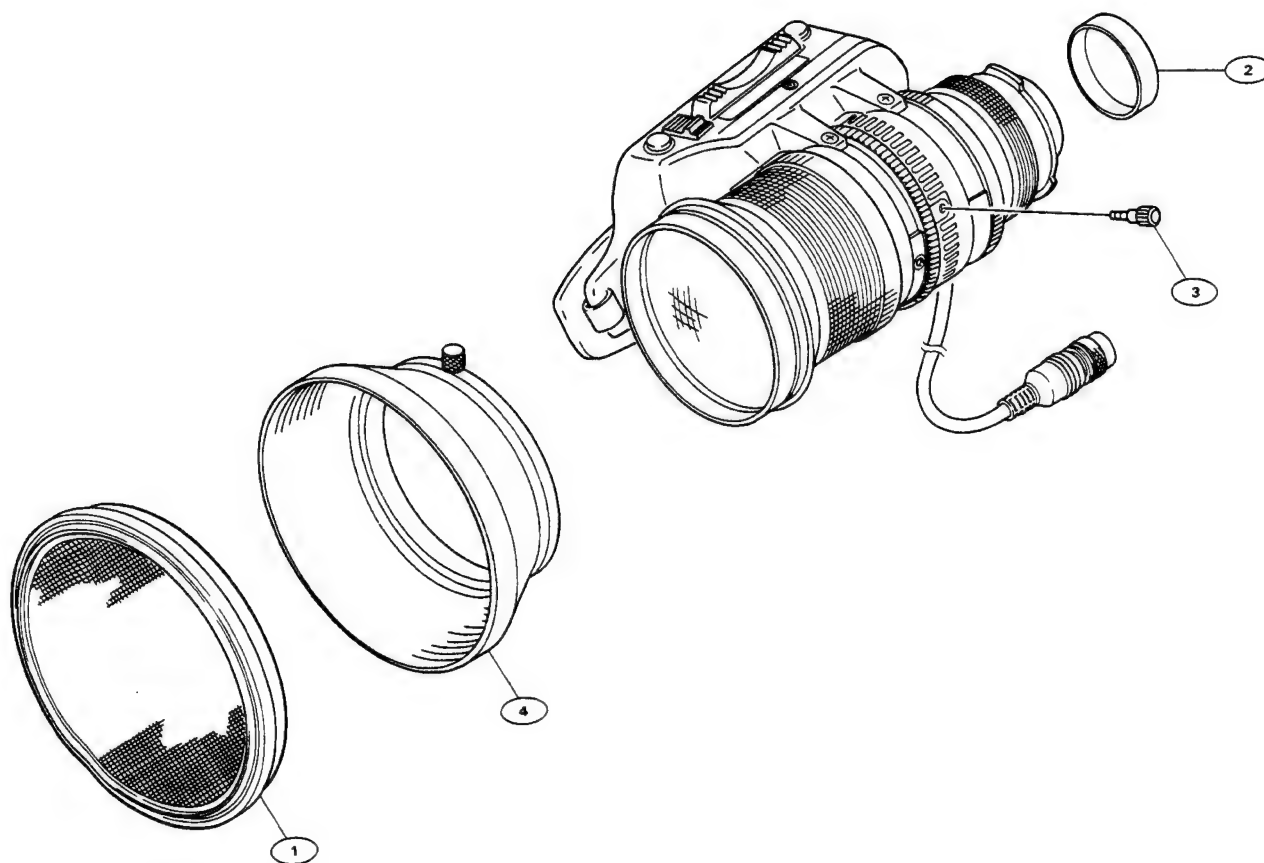
Dimensions



Design and specifications are subject to change without notice.

SONY
SERVICE MANUAL

No.	Part No.	SP Description
1	3-707-245-01	o CAP, HOOD
2	3-707-246-01	o CAP, DUST
3	3-707-247-01	o LEVER, ZOOM
4	3-708-171-01	o HOOD, LENS



TRIPOD ATTACHMENT

SPECIFICATIONS

Dimensions	Approx. 282 x 27 x 80 mm (w/h/d) (11 ¹ / ₈ x 1 ¹ / ₈ x 3 ¹ / ₄ inches) without V-wedge.
Weight	Approx. 0.9 kg (2 lb)

Design and specifications subject to change without notice.

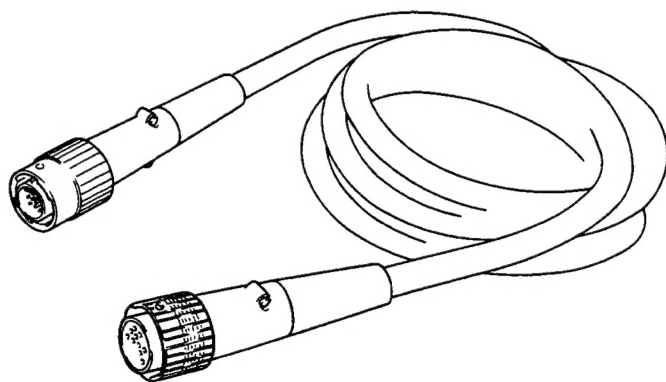
EXPLODED VIEW

No.	Parts No.	SP Description
1	2-381-631-01	o SPRING
2	2-381-632-01	o ARM, LOCKER
3	2-381-633-01	o SOLENOID
4	2-381-635-01	o LEVER, LOCK
5	2-381-636-01	o KNOB
6	2-381-637-01	o SPRING
7	2-381-638-01	o SPRING
8	2-381-640-01	o DOG
9	2-381-641-01	o COLLAR
10	2-381-642-02	o MOUNT
11	2-381-648-01	o INSULATOR, KNOB
12	2-381-652-01	o SPRING, TENSION
13	3-678-704-00	o SPACER
14	3-720-906-01	o LID (S), REAR
15	3-720-907-01	o PIN (S), REAR
16	3-720-908-01	o TABLE (S), PIN, REAR
17	3-720-909-01	o KNOB, CRANK
18	3-720-910-01	o SHEET, SLIDE
19	3-720-911-01	o BASE, TRIPOD FITTING SCREW
20	3-720-912-01	o FRAME (S)
21	OPTIONAL ACCESSORY: TRIPOD ATTACHMENT "VCT-14"	

Exploded view diagram of a mechanical assembly, showing 21 numbered components and various fasteners. The diagram includes the following labels and specifications:

- Fasteners:**
 - +B3 x 6
 - +K4 x 8
 - +K4 x 10
 - +K3 x 10
 - +B3 x 8
 - +B3 x 15
 - W3 SMALL
 - W2 SMALL
 - SW4
 - N3
- Component Labels:**
 - BOLT, HEXAGON SOCKET 3 x 16
 - BOLT, HEXAGON SOCKET 4 x 12
 - BOLT, HEXAGON SOCKET 4 x 12
 - BOLT, HEXAGON SOCKET 4 x 12
 - BOLT, HEXAGON SOCKET 4 x 12

CAMERA CABLE



EXPLODED VIEW

No.	Parts No.	SP Description
1	1-508-929-00	s CONNECTOR, 14P MALE
2	1-564-184-00	s CONNECTOR, 26P FEMALE

